

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062175.D
 Acq On : 16 Apr 2019 14:40
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV041619

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:50:37 AM

Quant Time: Apr 17 08:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:56:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	409094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	670193	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	523917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	254841	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	213642	57.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.98%	
35) Dibromofluoromethane	4.31	113	284589	53.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.66%	
50) Toluene-d8	7.71	98	851229	55.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.20%	
62) 4-Bromofluorobenzene	11.49	95	323086	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	316026	52.652	ug/l	98
3) Chloromethane	1.14	50	356872	55.247	ug/l	96
4) Vinyl Chloride	1.18	62	317212	56.129	ug/l	100
5) Bromomethane	1.36	94	211087	58.082	ug/l	98
6) Chloroethane	1.44	64	151269	56.531	ug/l	99
7) Trichlorofluoromethane	1.55	101	374220	55.363	ug/l	100
8) Diethyl Ether	1.71	74	75276	55.168	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	235207	53.278	ug/l	99
10) Methyl Iodide	1.98	142	442308	53.822	ug/l	100
11) Tert butyl alcohol	2.69	59	52192	255.595	ug/l	97
12) 1,1-Dichloroethene	1.87	96	249765	55.629	ug/l	99
13) Acrolein	2.10	56	35181	218.718	ug/l	95
14) Allyl chloride	2.20	41	405969	60.051	ug/l	97
15) Acrylonitrile	3.08	53	189465	249.709	ug/l	98
16) Acetone	2.34	43	240963	290.107	ug/l	99
17) Carbon Disulfide	1.91	76	722534	56.810	ug/l	100
18) Methyl Acetate	2.46	43	87964	50.368	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	395984	53.023	ug/l	97
20) Methylene Chloride	2.33	84	226682m	57.968	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	227453	52.948	ug/l	97
22) Diisopropyl ether	2.94	45	671462	53.432	ug/l	98
23) Vinyl Acetate	3.34	43	1676697	267.483	ug/l	99
24) 1,1-Dichloroethane	3.01	63	371904	53.144	ug/l	100
25) 2-Butanone	4.52	43	462268	259.087	ug/l	98
26) 2,2-Dichloropropane	3.77	77	200203	54.392	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	294080	51.572	ug/l	98
28) Bromochloromethane	3.90	49	177828	53.067	ug/l #	95
29) Tetrahydrofuran	4.27	42	194595	245.215	ug/l	98
30) Chloroform	4.05	83	439995	50.573	ug/l	99
31) Cyclohexane	3.88	56	492309	54.453	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	318600	53.704	ug/l	97
36) 1,1-Dichloropropene	4.47	75	366953	49.280	ug/l	97
37) Ethyl Acetate	4.31	43	153868	44.845	ug/l	99
38) Carbon Tetrachloride	4.19	117	316223m	49.339	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	483015	51.762	ug/l	98
40) Benzene	4.82	78	981230	49.886	ug/l	98
41) Methacrylonitrile	4.93	41	97314	47.203	ug/l	94
42) 1,2-Dichloroethane	5.13	62	240520	48.314	ug/l	100
43) Isopropyl Acetate	7.12	43	185020	46.674	ug/l #	100
44) Trichloroethene	5.69	130	260370	49.456	ug/l	97
45) 1,2-Dichloropropane	6.41	63	229732	47.609	ug/l	95
46) Dibromomethane	6.26	93	137580	47.282	ug/l	95
47) Bromodichloromethane	6.55	83	310375	47.083	ug/l	98
48) Methyl methacrylate	6.88	41	124332	47.902	ug/l	97
49) 1,4-Dioxane	6.87	88	17523	866.365	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	684190	223.975	ug/l	100
52) Toluene	7.78	92	547225	47.359	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	261223	45.749	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	346634	47.741	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	151046	45.641	ug/l	97
56) Ethyl methacrylate	8.75	69	172002	43.708	ug/l	98
57) 1,3-Dichloropropane	9.00	76	265647	48.826	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	240623	237.320	ug/l	96
59) 2-Hexanone	9.62	43	481906	248.223	ug/l	97
60) Dibromochloromethane	8.86	129	212006	46.560	ug/l	96
61) 1,2-Dibromoethane	9.13	107	176766	49.925	ug/l	99
64) Tetrachloroethene	8.31	164	215322	50.320	ug/l	96
65) Chlorobenzene	9.93	112	559971	51.379	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	223352	49.639	ug/l	99
67) Ethyl Benzene	10.03	91	1018664	50.422	ug/l	99
68) m/p-Xylenes	10.26	106	748251	100.611	ug/l	98
69) o-Xylene	10.82	106	417450	51.845	ug/l	97
70) Styrene	10.89	104	577945	49.355	ug/l	99
71) Bromoform	10.88	173	115261	48.915	ug/l #	94
73) Isopropylbenzene	11.22	105	1150322	52.395	ug/l	98
74) N-amyl acetate	11.45	43	273476	54.902	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	197733	50.559	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	133836	50.460	ug/l	93
77) Bromobenzene	11.58	156	234882	51.443	ug/l	92
78) n-propylbenzene	11.67	91	1250755	50.120	ug/l	98
79) 2-Chlorotoluene	11.80	91	747119	50.790	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	914870	49.964	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	68915m	51.952	ug/l	
82) 4-Chlorotoluene	11.97	91	724691	50.272	ug/l	96
83) tert-Butylbenzene	12.20	119	929808	51.139	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	895284	50.381	ug/l	99
85) sec-Butylbenzene	12.37	105	1194499	49.962	ug/l	97
86) p-Isopropyltoluene	12.52	119	1037093	50.917	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	431749	51.684	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	411688	50.547	ug/l	96
89) n-Butylbenzene	12.90	91	1003641	52.933	ug/l	98
90) Hexachloroethane	12.97	117	252931	50.695	ug/l	88
91) 1,2-Dichlorobenzene	13.00	146	398521	49.711	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	34855	49.483	ug/l	89

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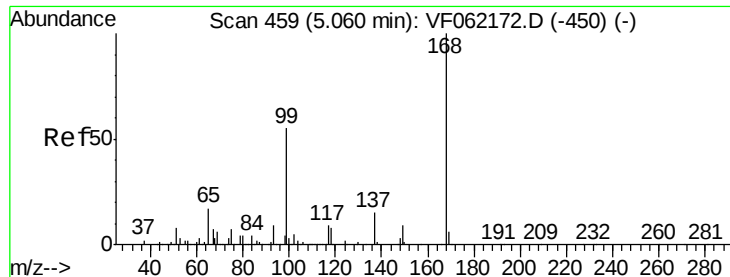
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	306360	50.883	ug/l	98
94) Hexachlorobutadiene	14.23	225	203120	51.765	ug/l	99
95) Naphthalene	14.49	128	533108	50.680	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	282450	50.352	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion:168 Resp: 409094

Ion Ratio Lower Upper

168 100

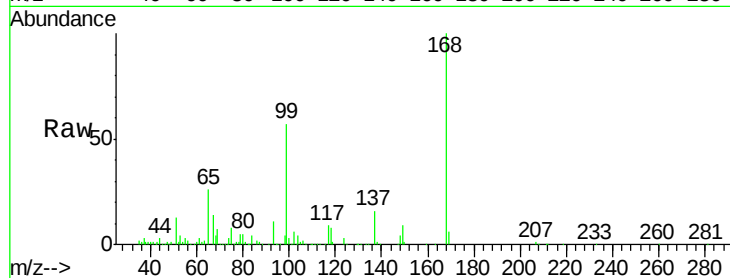
99 57.5 44.2 66.4

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

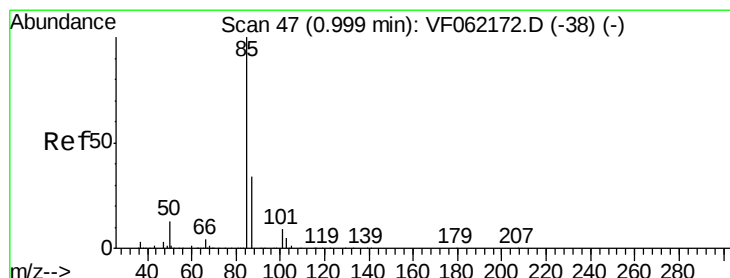
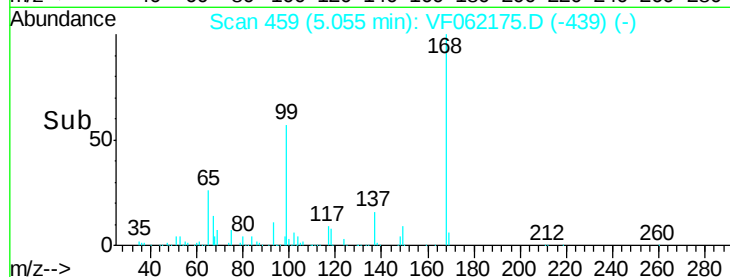
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.652 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062175.D

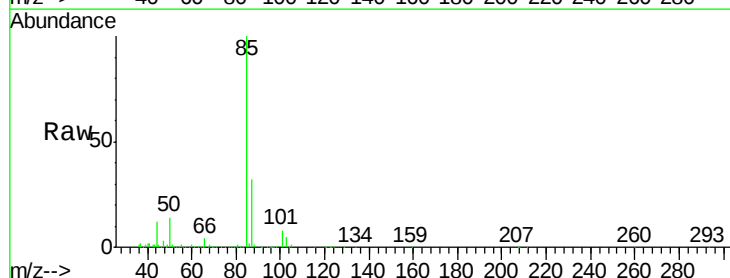
Acq: 16 Apr 2019 14:40

Tgt Ion: 85 Resp: 316026

Ion Ratio Lower Upper

85 100

87 32.5 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

100000

80000

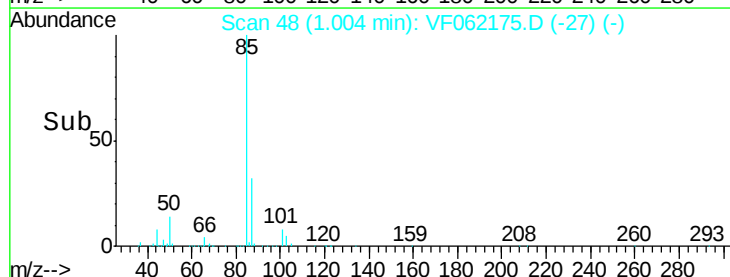
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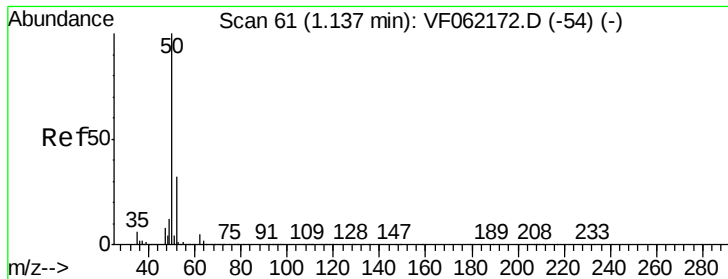
40000

20000

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Time-->





#3

Chloromethane

Concen: 55.247 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 50 Resp: 356872

Ion Ratio Lower Upper

50 100

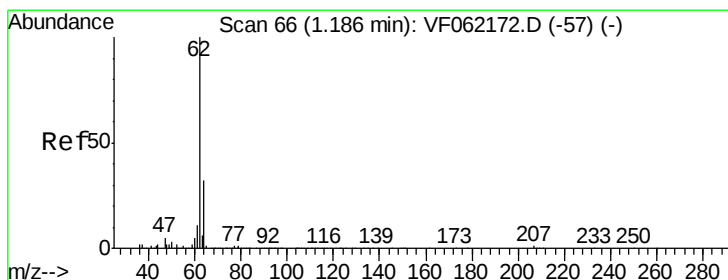
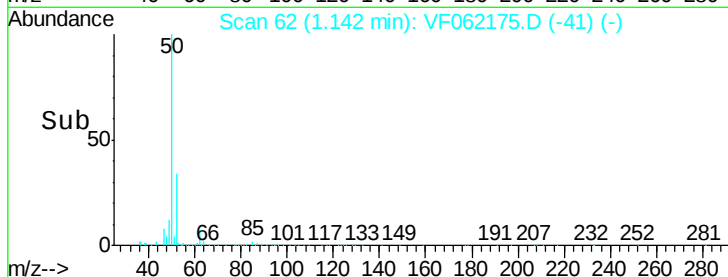
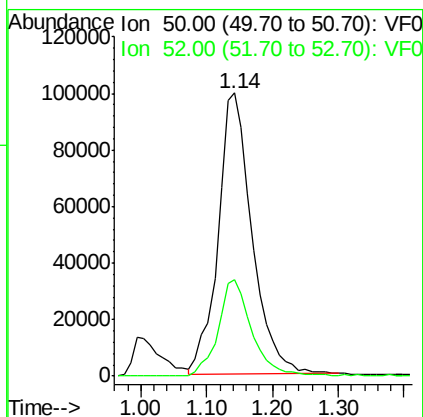
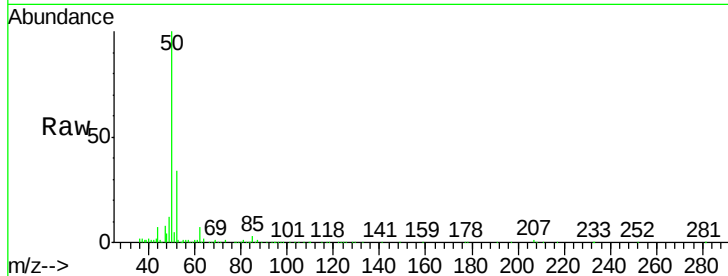
52 34.3 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.129 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF062175.D

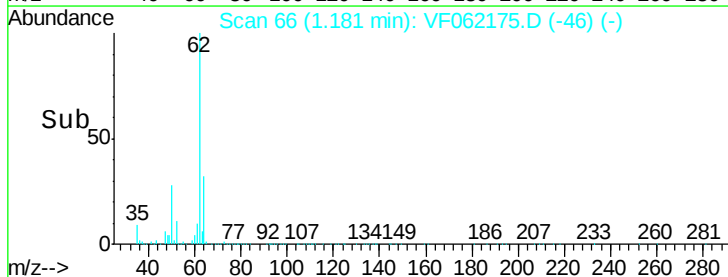
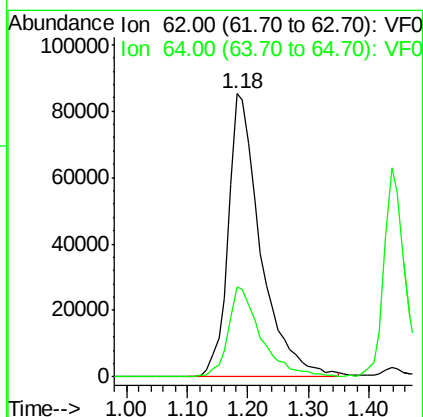
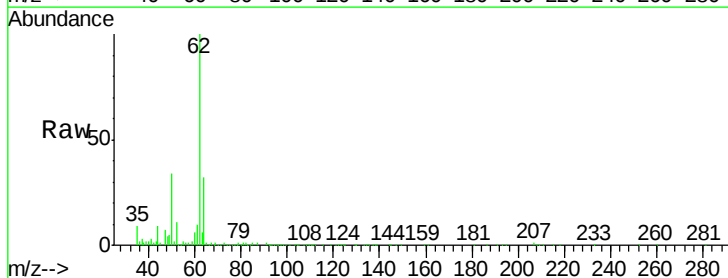
Acq: 16 Apr 2019 14:40

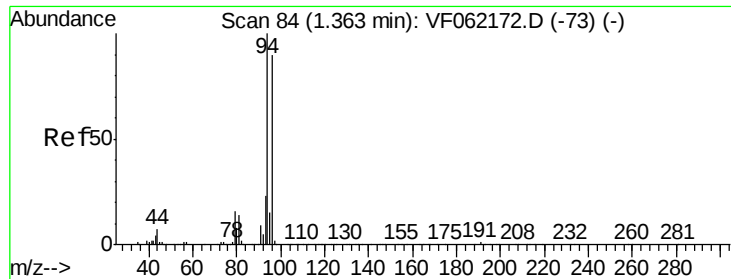
Tgt Ion: 62 Resp: 317212

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 58.082 ug/l

RT: 1.36 min Scan# 84

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

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Tot Ion: 94 Resp: 211087

Ion Ratio Lower Upper

94 100

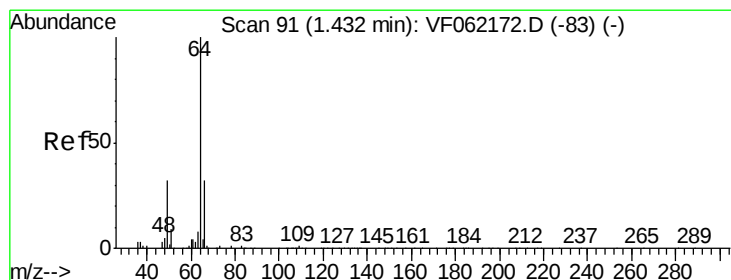
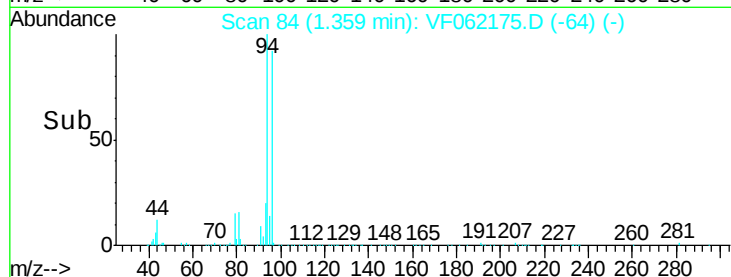
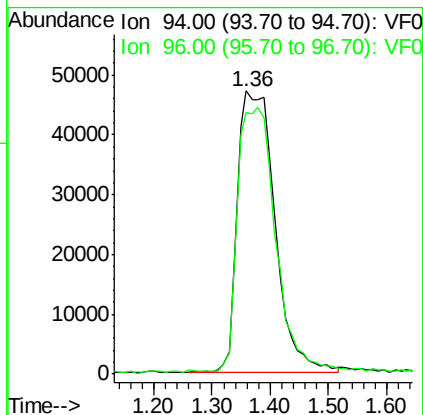
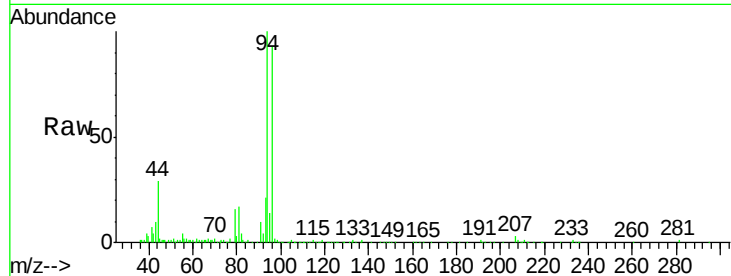
96 92.5 72.3 108.5

Manual Integrations

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#6

Chloroethane

Concen: 56.531 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.01 min

Lab File: VF062175.D

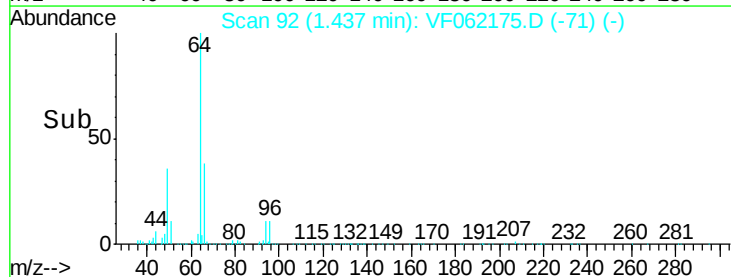
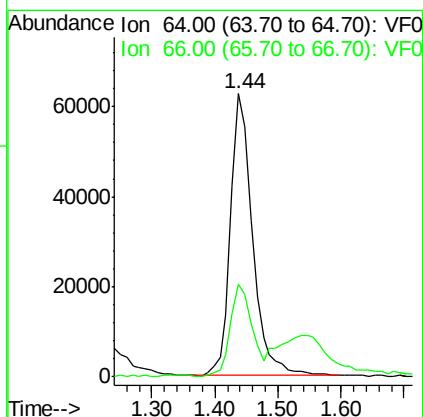
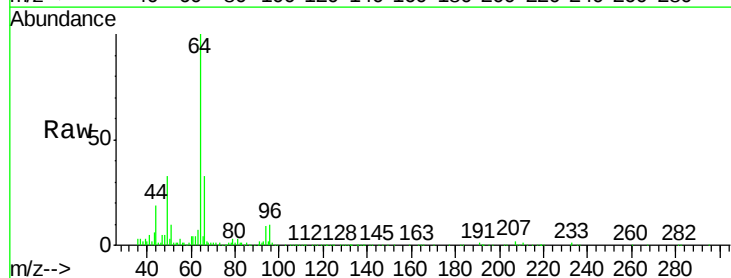
Acq: 16 Apr 2019 14:40

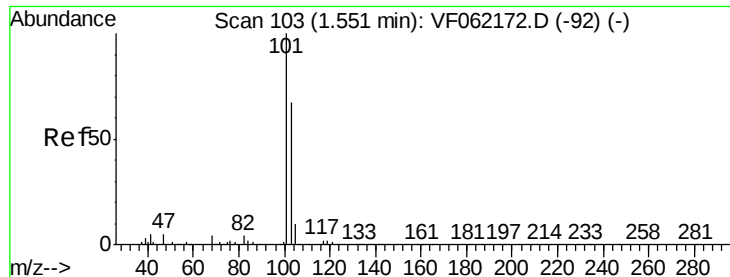
Tgt Ion: 64 Resp: 151269

Ion Ratio Lower Upper

64 100

66 32.5 25.7 38.5





#7

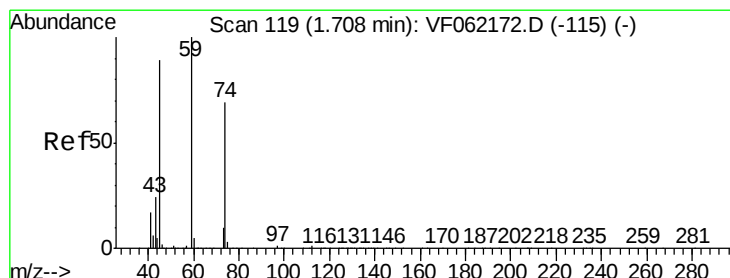
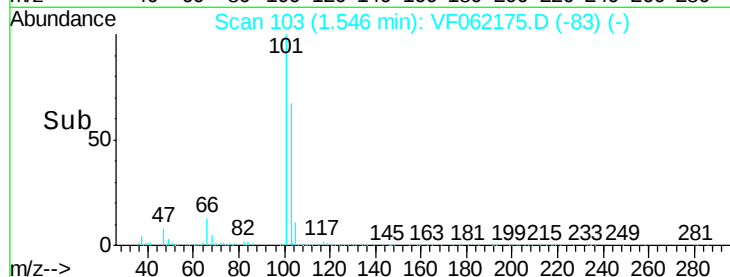
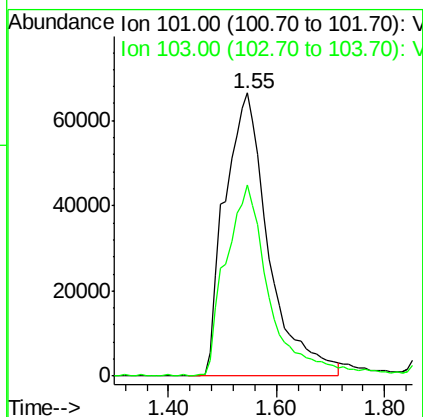
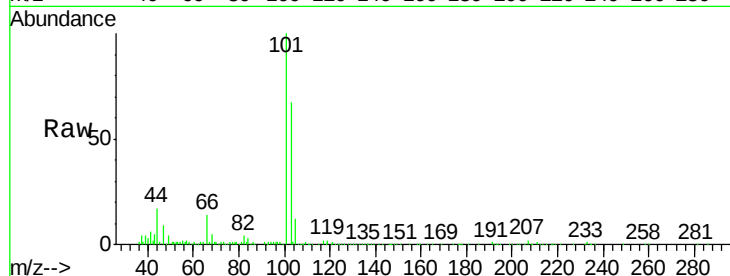
Trichlorofluoromethane
Concen: 55.363 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF062175.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	53.7	80.5

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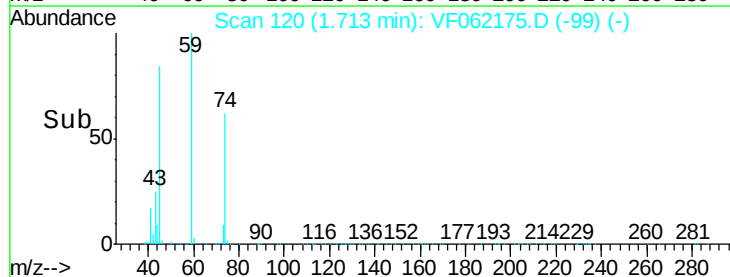
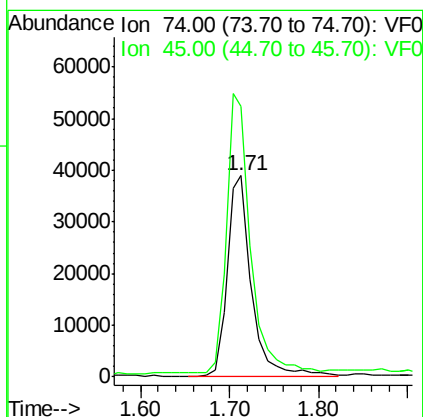
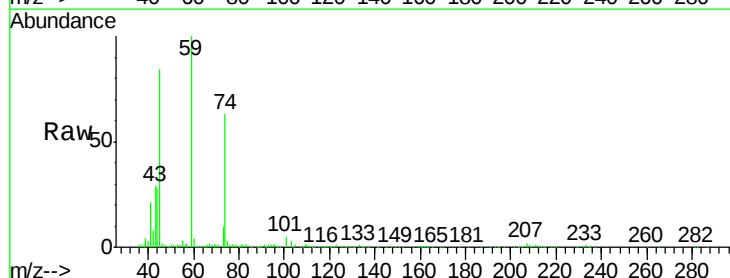
MMDadoda
4/17/2019 11:50:37 AM

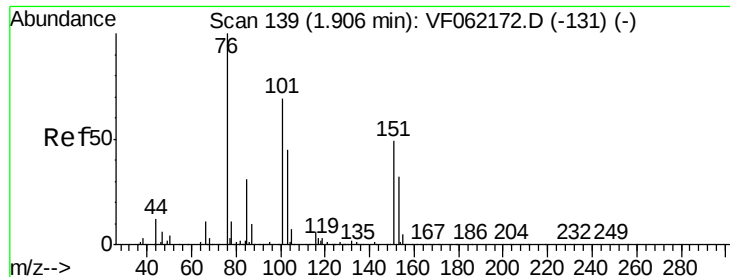


#8

Diethyl Ether
Concen: 55.168 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.5	64.7	194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.278 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF062175.D

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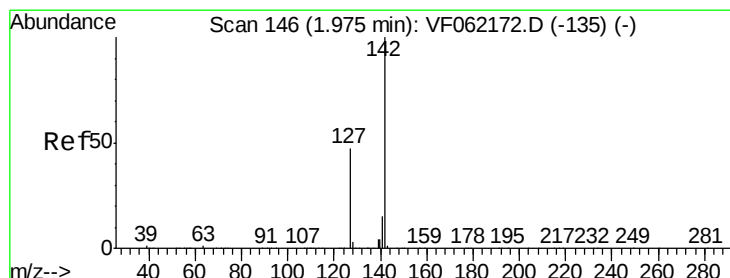
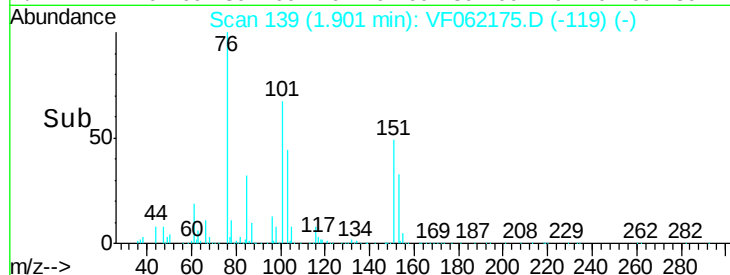
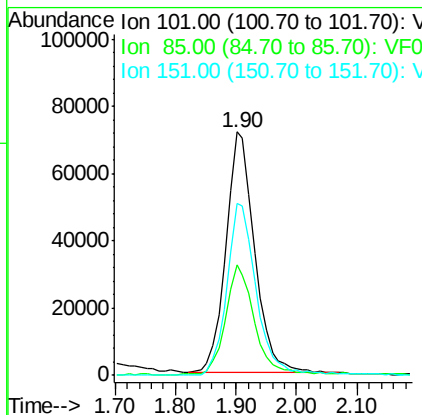
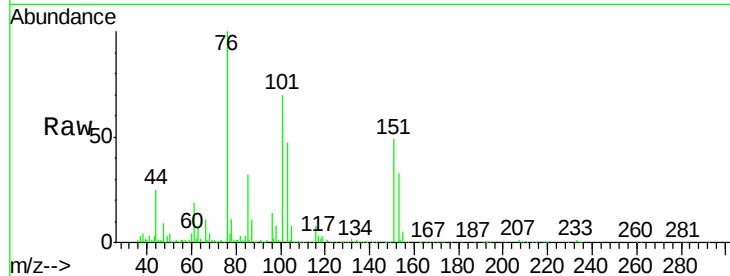
ClientSampleId :

ICVVF041619

Tot Ion:	101	Resp:	235207
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.2	52.8
151	70.4	56.6	85.0

Manual Integrations
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MMDadoda
4/17/2019 11:50:37 AM



#10

Methyl Iodide

Concen: 53.822 ug/l

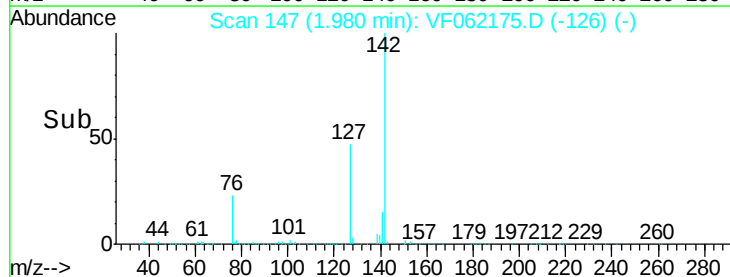
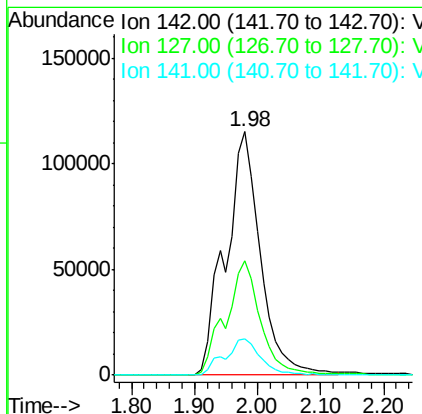
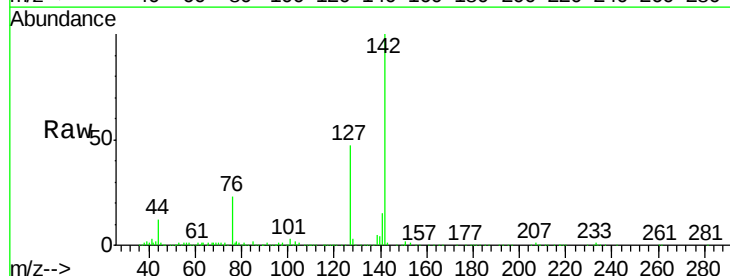
RT: 1.98 min Scan# 147

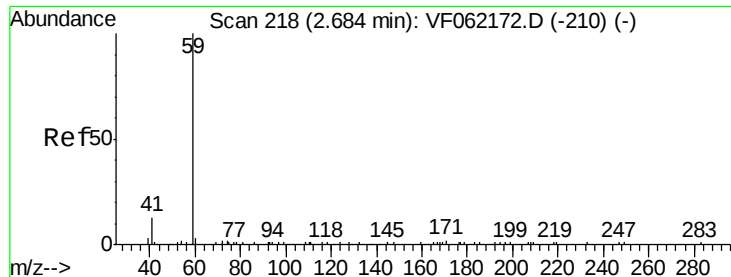
Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion:	142	Resp:	442308
Ion Ratio	Lower	Upper	
142	100		
127	47.0	37.8	56.6
141	14.8	12.1	18.1





#11

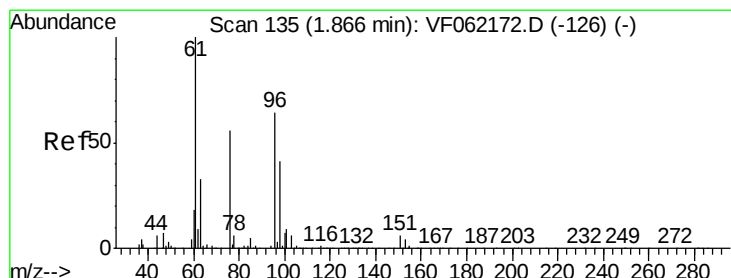
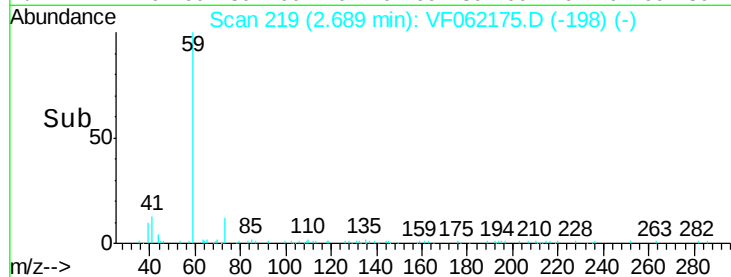
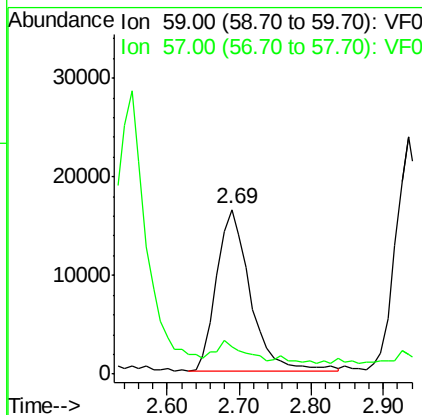
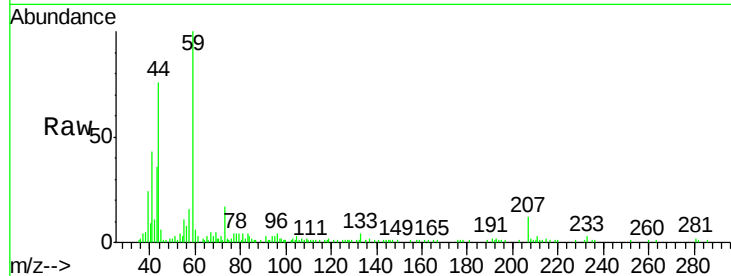
Tert butyl alcohol
Concen: 255.595 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.4	14.2	21.4

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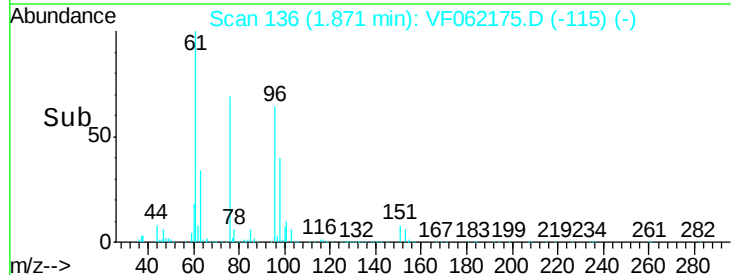
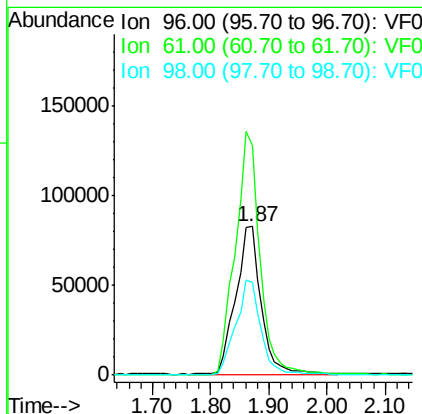
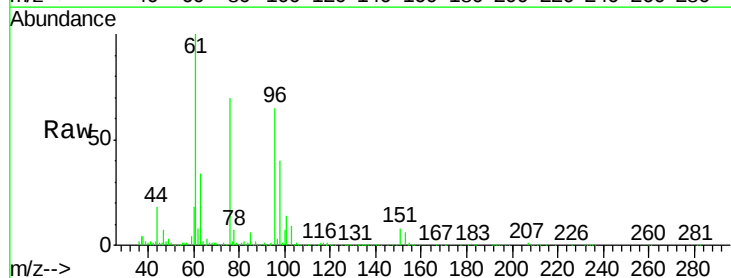
MMDadoda
4/17/2019 11:50:37 AM

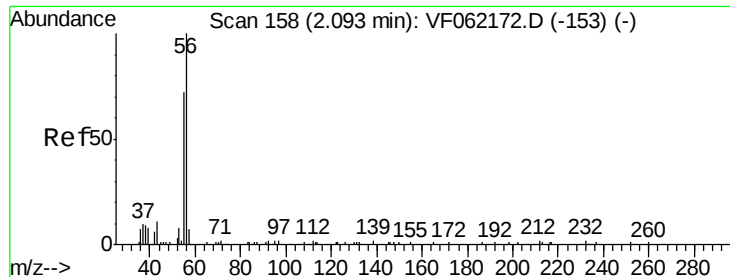


#12

1,1-Dichloroethene
Concen: 55.629 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	124.6	187.0
98	62.5	51.5	77.3





#13

Acrolein

Concen: 218.718 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 56 Resp: 35181

Ion Ratio Lower Upper

56 100

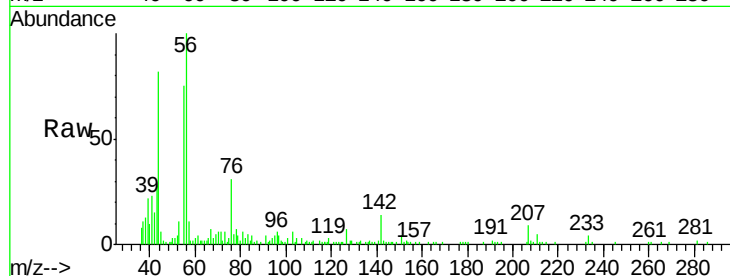
55 74.7 62.9 94.3

Manual Integrations

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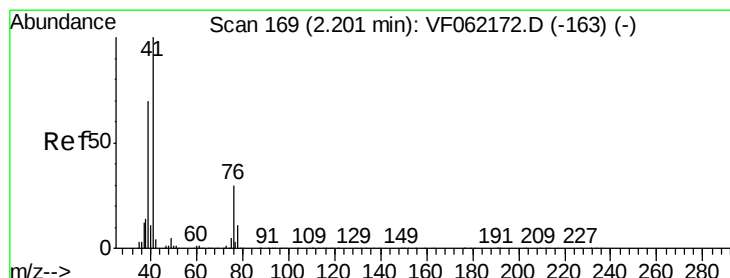
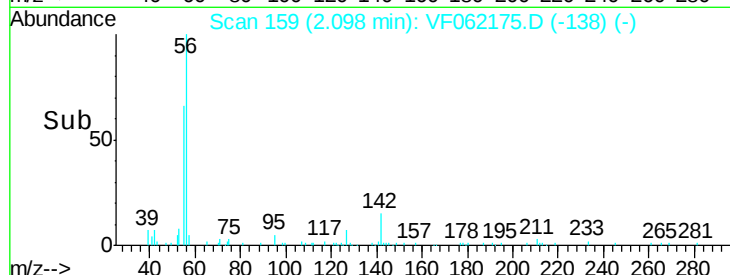
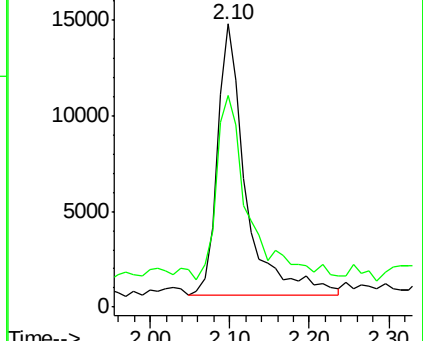
MMDadoda

4/17/2019 11:50:37 AM



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 60.051 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

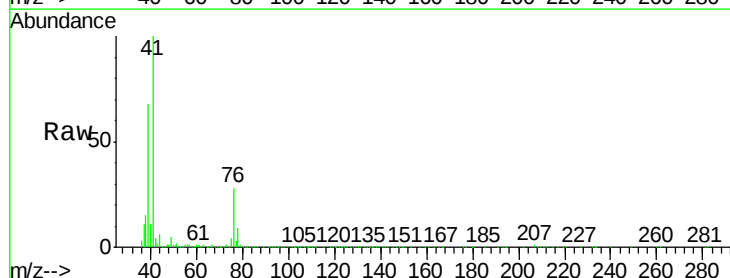
Tgt Ion: 41 Resp: 405969

Ion Ratio Lower Upper

41 100

39 68.4 56.1 84.1

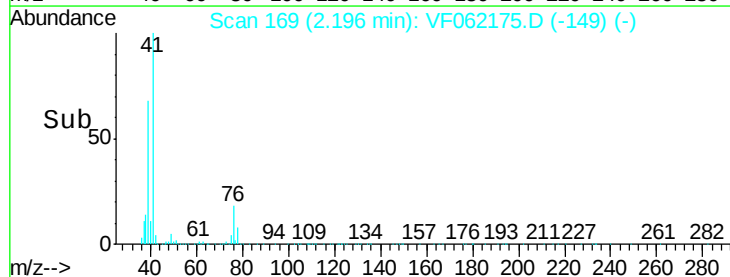
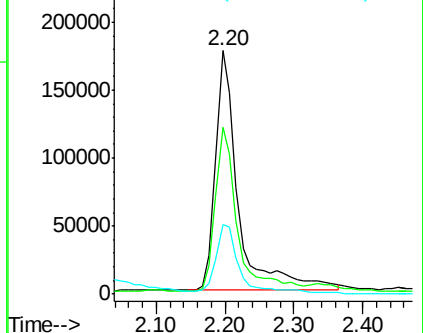
76 28.4 24.9 37.3

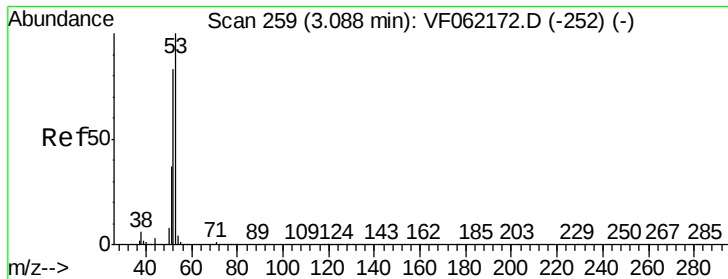


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 249.709 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

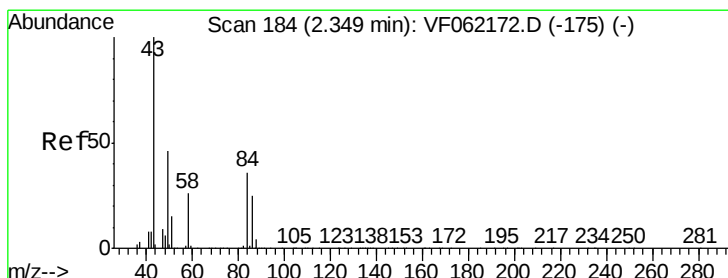
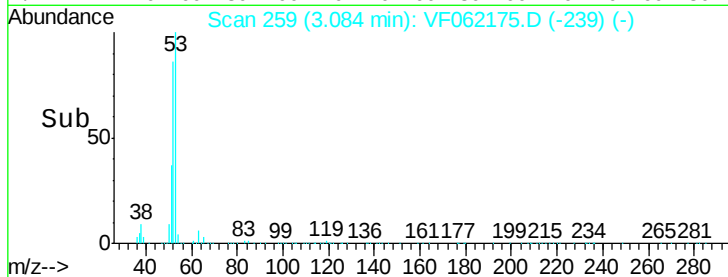
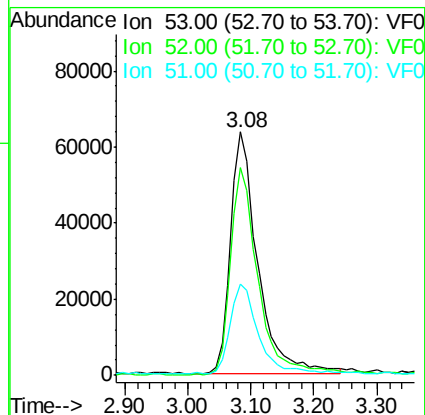
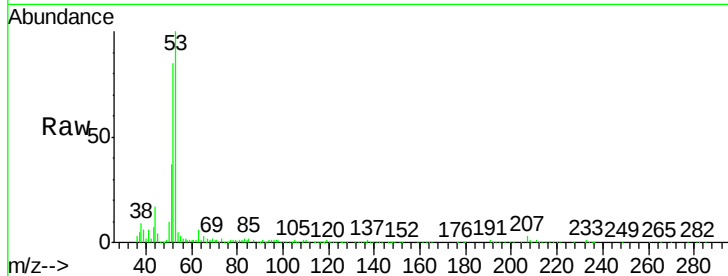
ClientSampleId :

ICVVF041619

Tot Ion:	53	Resp:	189465
Ion Ratio		Lower	Upper
53	100		
52	85.2	66.6	99.8
51	37.3	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 290.107 ug/l

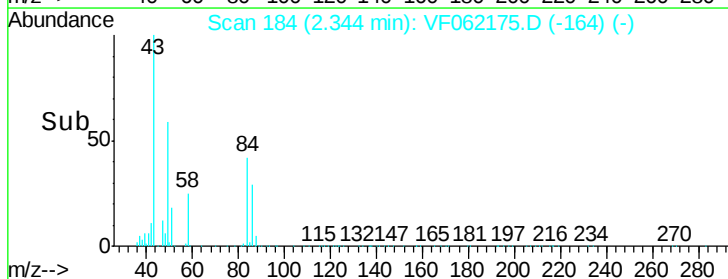
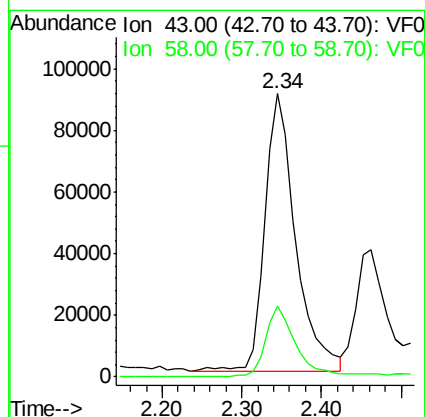
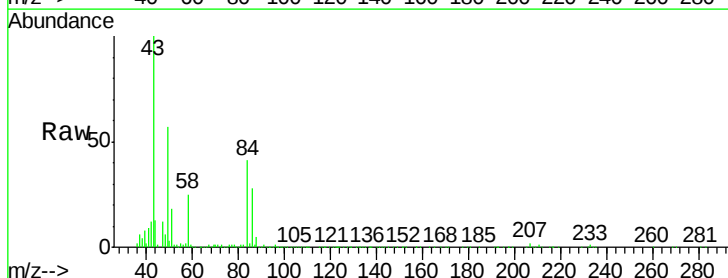
RT: 2.34 min Scan# 184

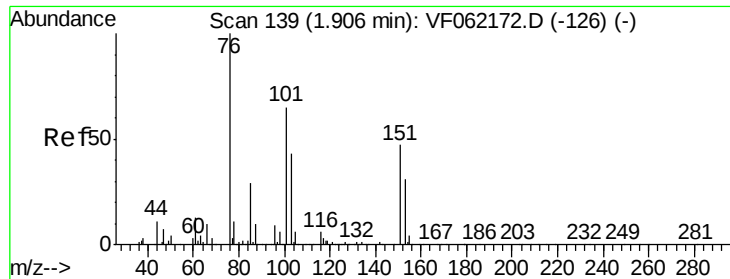
Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion:	43	Resp:	240963
Ion Ratio		Lower	Upper
43	100		
58	24.9	20.2	30.2





#17

Carbon Disulfide

Concen: 56.810 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 76 Resp: 722534

Ion Ratio Lower Upper

76 100

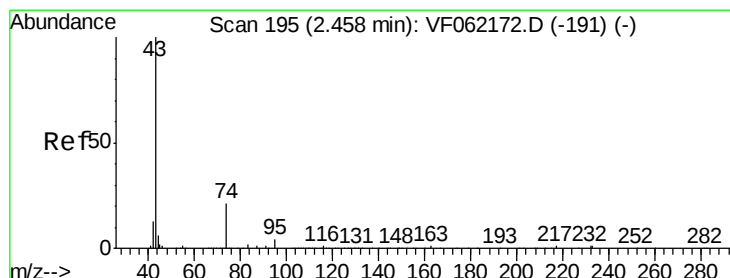
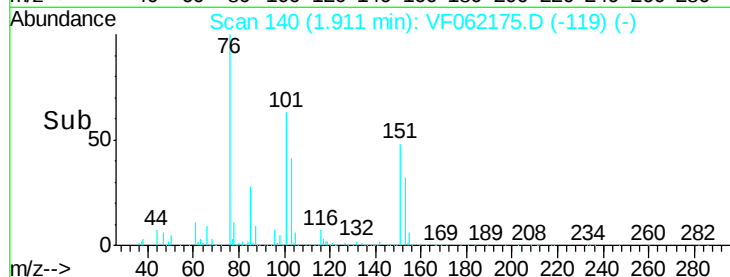
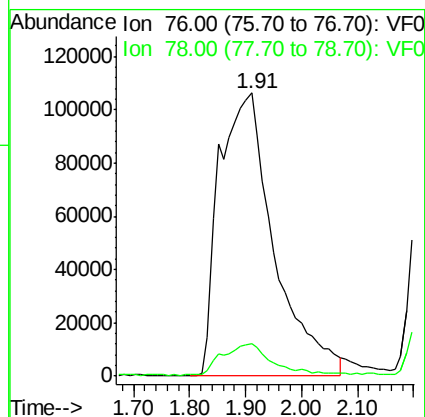
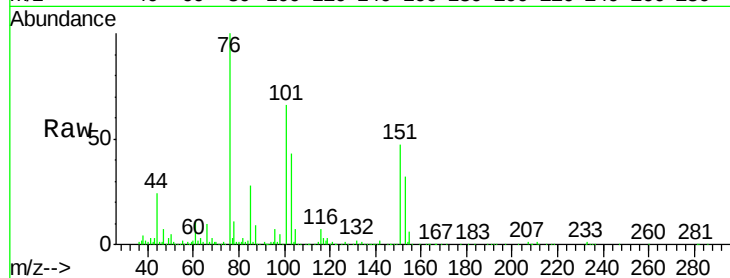
78 11.4 9.1 13.7

Manual Integrations

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4/17/2019 11:50:37 AM



#18

Methyl Acetate

Concen: 50.368 ug/l

RT: 2.46 min Scan# 196

Delta R.T. 0.01 min

Lab File: VF062175.D

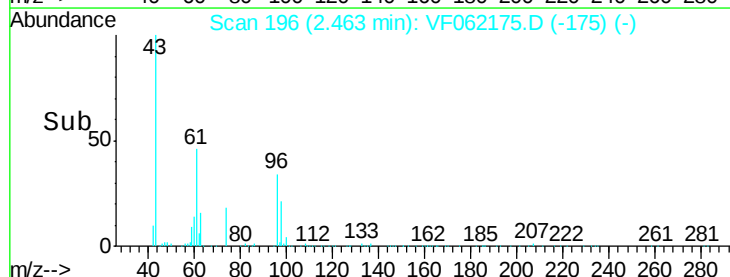
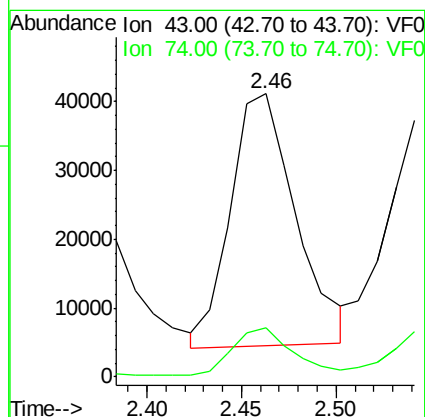
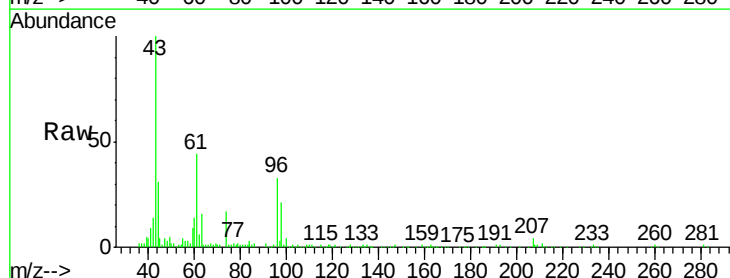
Acq: 16 Apr 2019 14:40

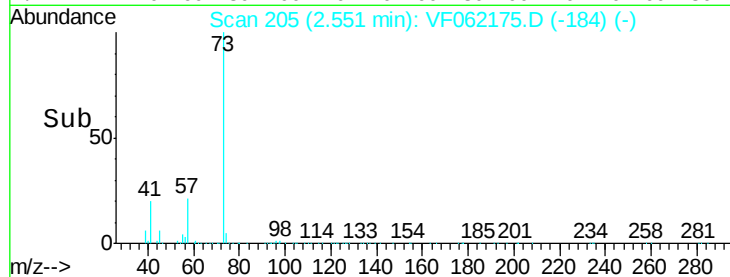
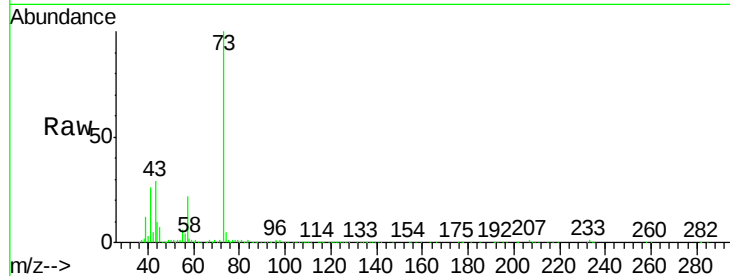
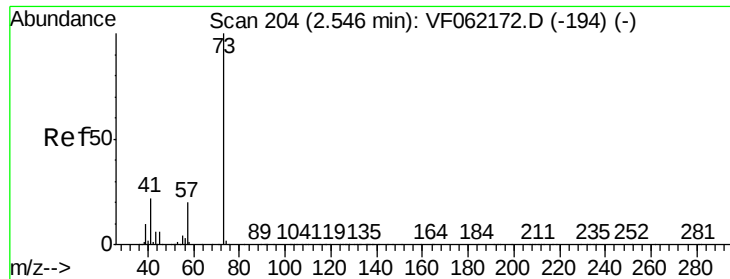
Tgt Ion: 43 Resp: 87964

Ion Ratio Lower Upper

43 100

74 17.5 14.2 21.4





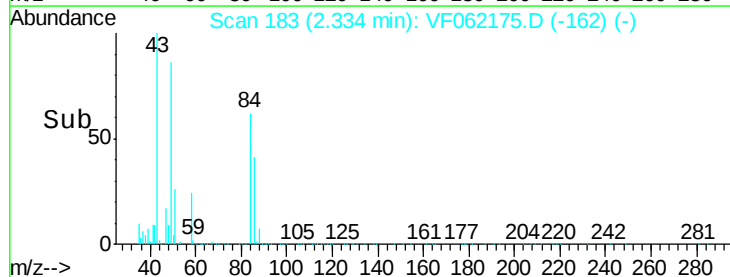
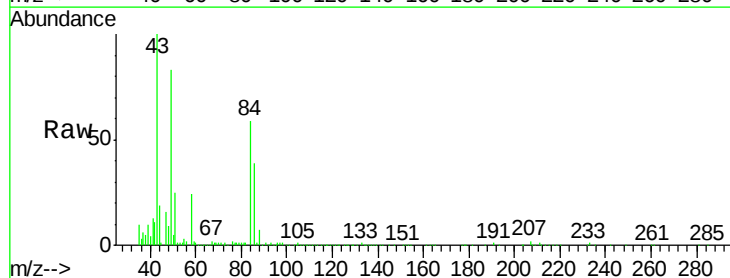
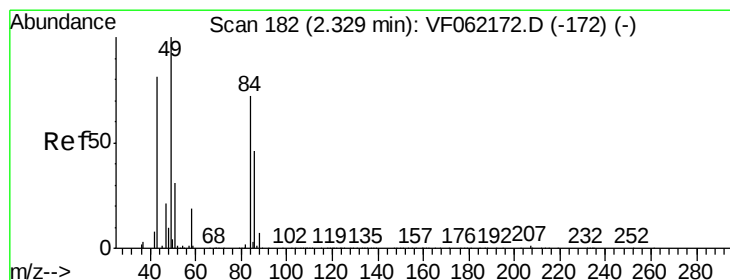
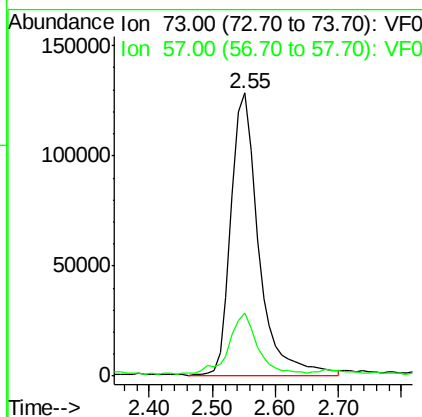
#19
Methvl tert-butvl Ether
Concen: 53.023 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tot Ion	73	57	Ratio	Lower	Upper
395984	100	22.3		16.8	25.2

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

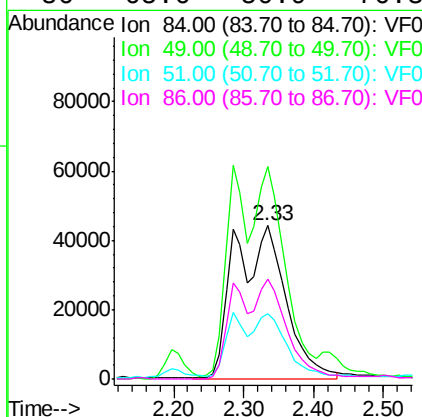
Manual Integrations
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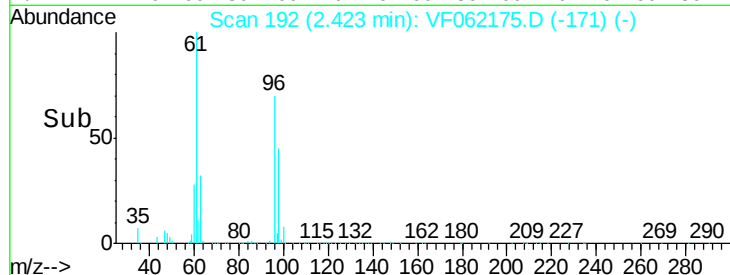
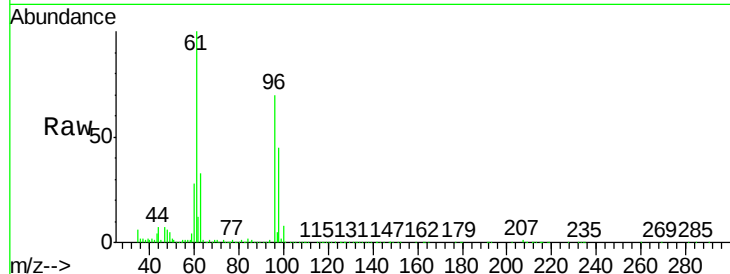
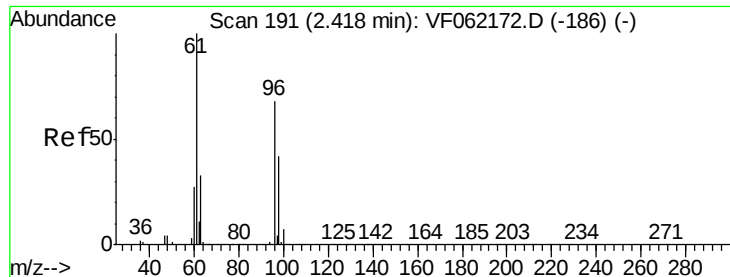
MMDadoda
4/17/2019 11:50:37 AM



#20
Methylene Chloride
Concen: 57.968 ug/l m
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	84	49	51	86	Resp	Lower	Upper
226682	100	138.8	42.6	65.6		111.5	167.3
						34.9	52.3
						50.9	76.3





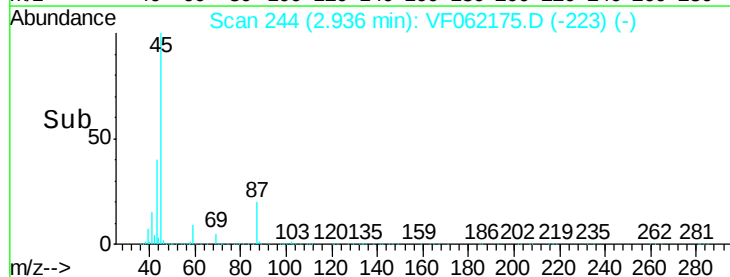
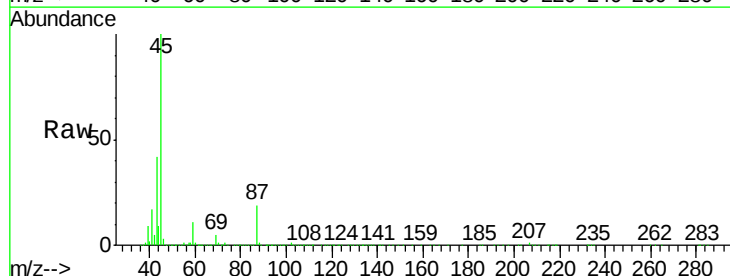
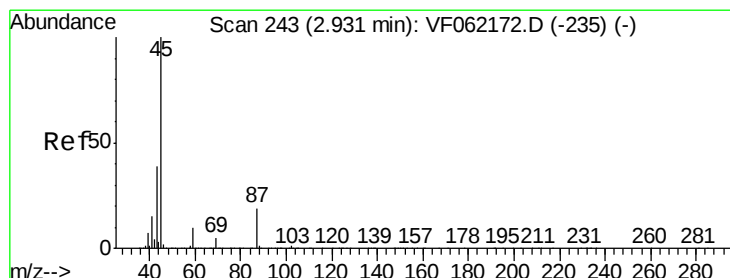
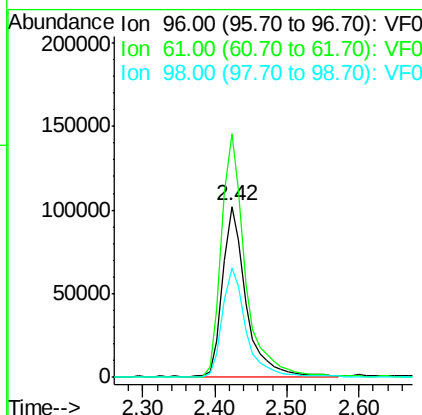
#21
trans-1,2-Dichloroethene
Concen: 52.948 ug/l
RT: 2.42 min Scan# 192
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	117.4	176.2
98	64.0	49.8	74.8

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

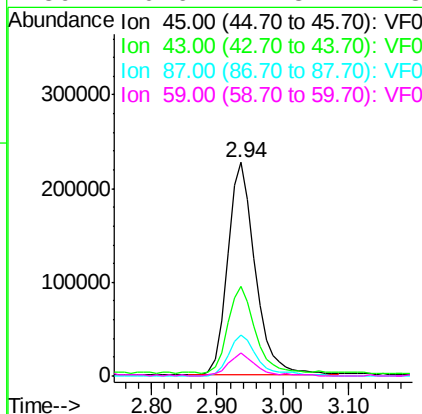
Manual Integrations
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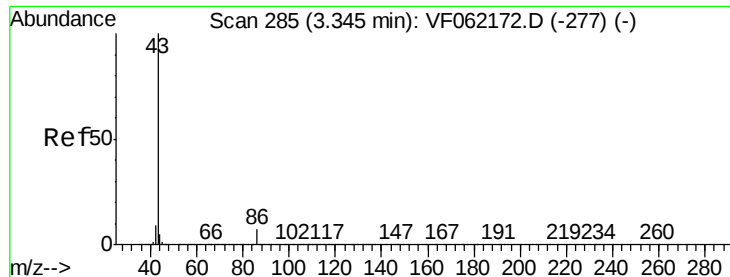
MMDadoda
4/17/2019 11:50:37 AM



#22
Diisopropyl ether
Concen: 53.432 ug/l
RT: 2.94 min Scan# 244
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	42.0	32.5	48.7
87	19.4	14.9	22.3
59	10.6	7.8	11.8





#23

Vinyl Acetate

Concen: 267.483 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 43 Resp: 1676697

Ion Ratio Lower Upper

43 100

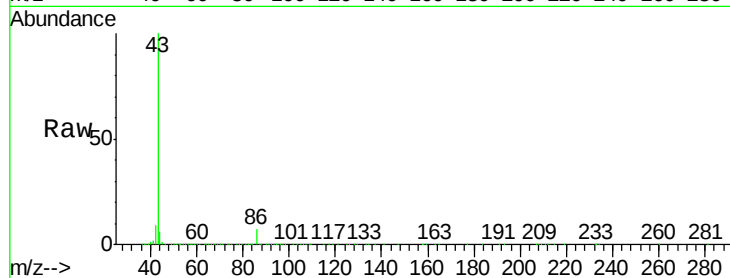
86 7.0 5.9 8.9

Manual Integrations

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MMDadoda

4/17/2019 11:50:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

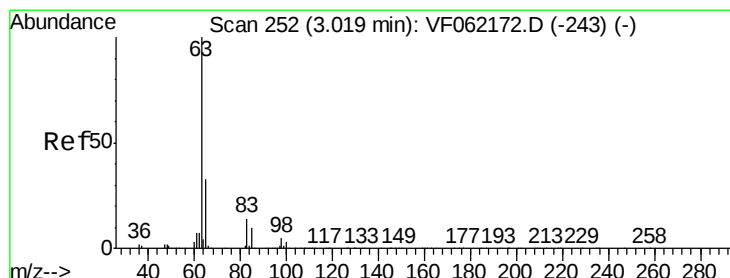
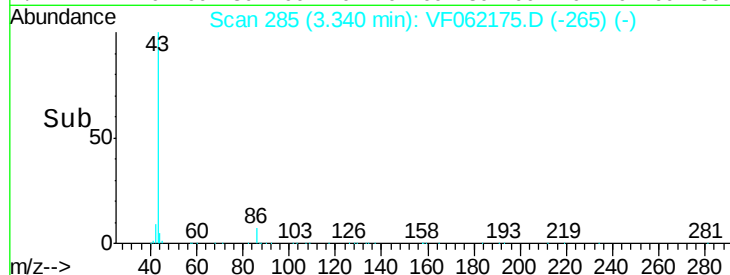
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.144 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

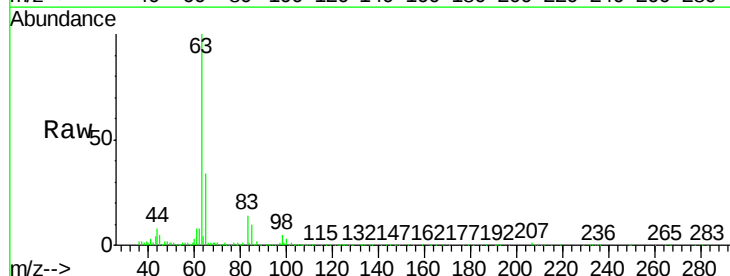
Tgt Ion: 63 Resp: 371904

Ion Ratio Lower Upper

63 100

98 5.2 2.6 8.0

100 3.5 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.01

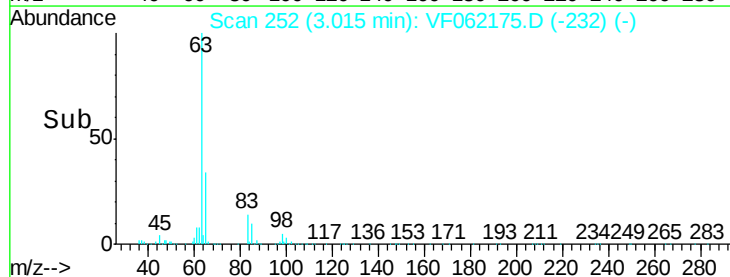
150000

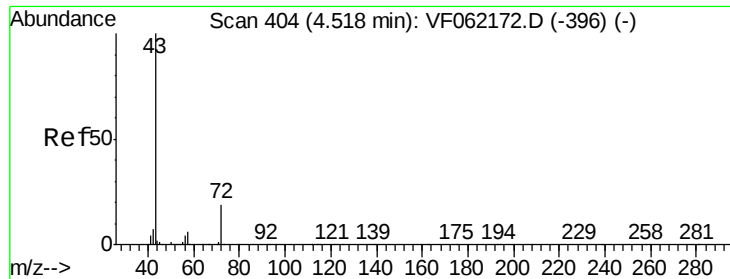
100000

50000

0

Time-->





#25

2-Butanone

Concen: 259.087 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tot Ion: 43 Resp: 462268

Ion Ratio Lower Upper

43 100

72 18.2 15.4 23.2

Instrument :

MSVOA_F

ClientSampled :

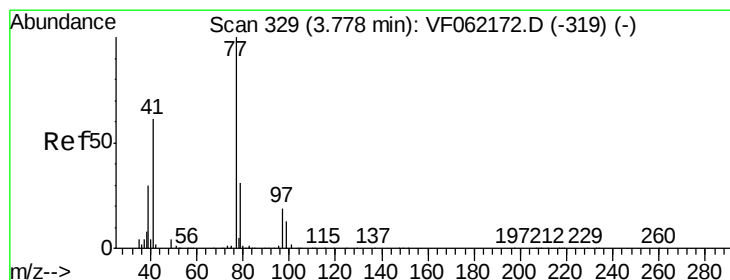
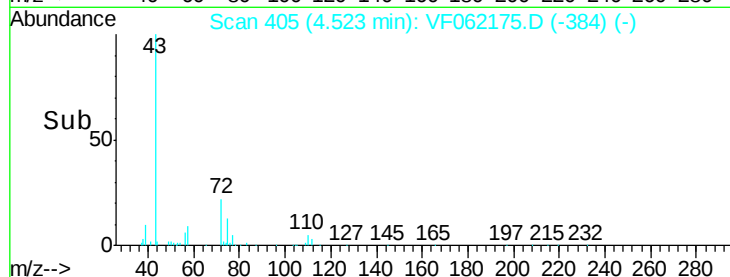
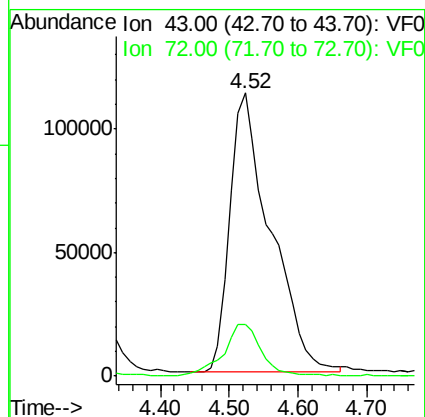
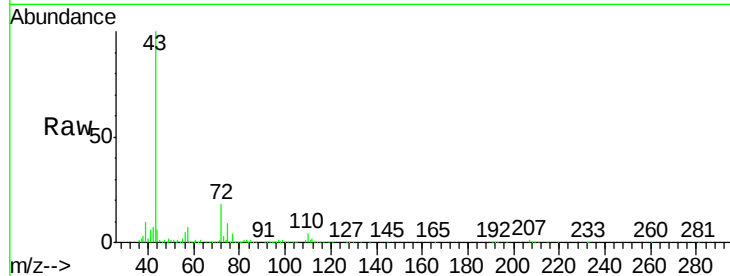
ICVVF041619

Manual Integrations

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MMDadoda

4/17/2019 11:50:37 AM



#26

2,2-Dichloropropane

Concen: 54.392 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VF062175.D

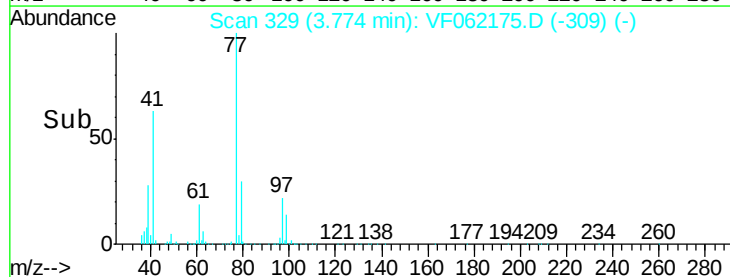
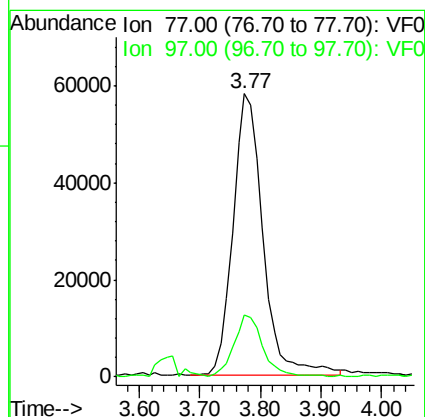
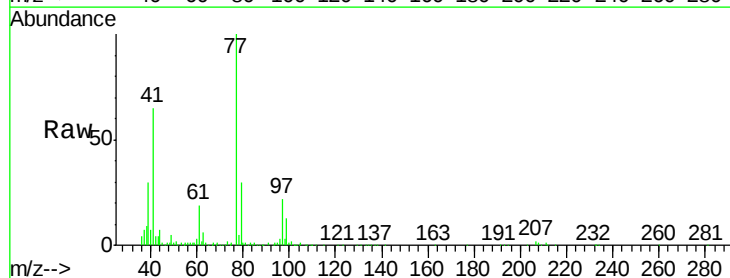
Acq: 16 Apr 2019 14:40

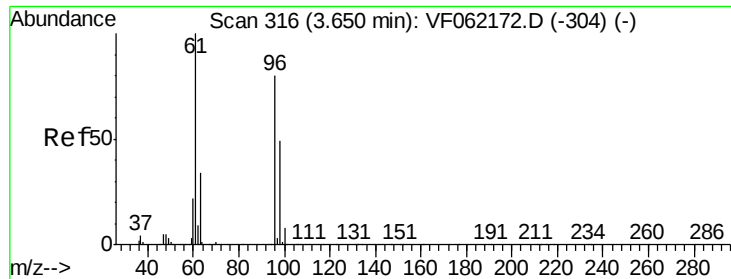
Tgt Ion: 77 Resp: 200203

Ion Ratio Lower Upper

77 100

97 22.0 10.3 30.9





#27

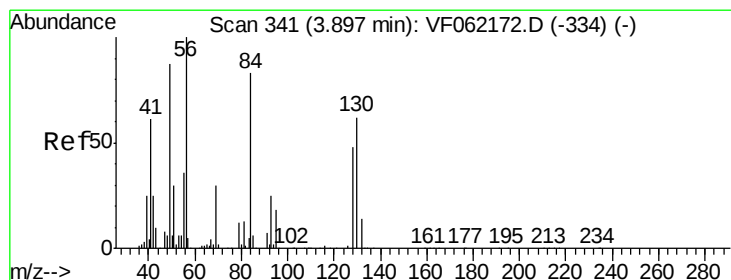
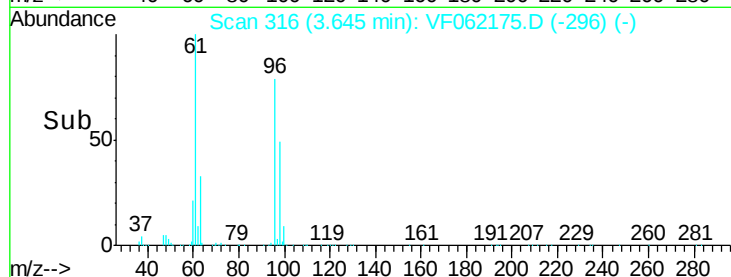
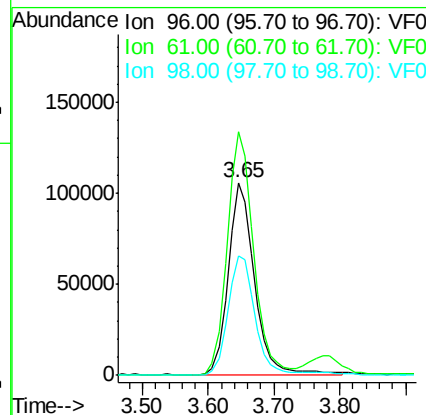
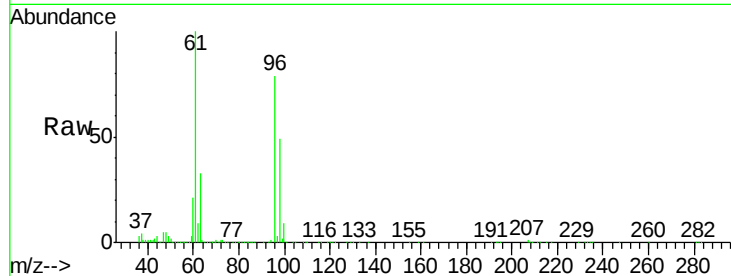
cis-1,2-Dichloroethene
Concen: 51.572 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	Ratio	Resp	Lower	Upper
96	100	294080		
61	126.2	0.0	248.2	
98	62.1	0.0	122.4	

Manual Integrations
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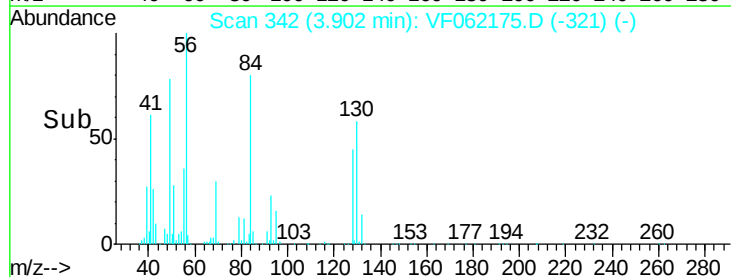
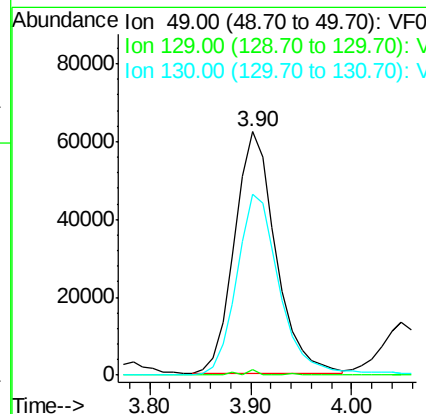
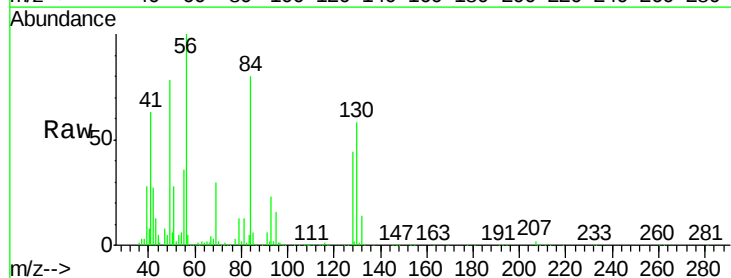
MMDadoda
4/17/2019 11:50:37 AM

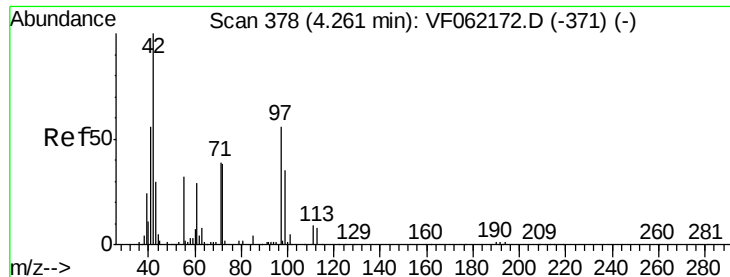


#28

Bromochloromethane
Concen: 53.067 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	177828		
129	2.3	0.0	0.0#	
130	74.3	56.5	84.7	





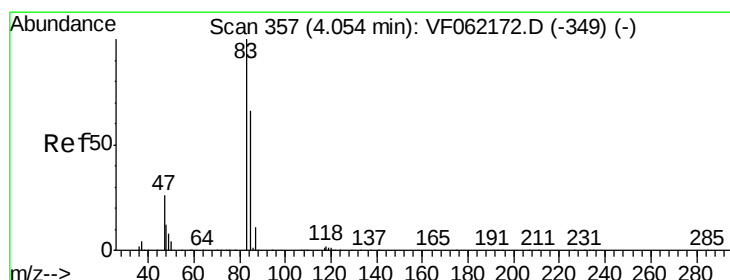
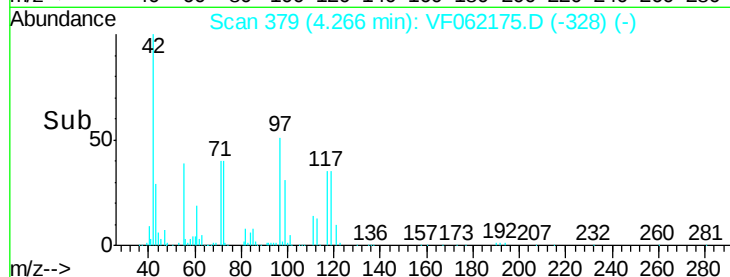
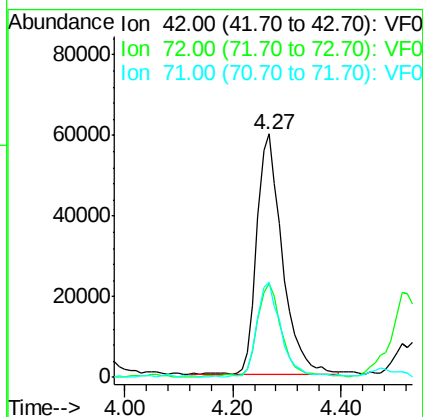
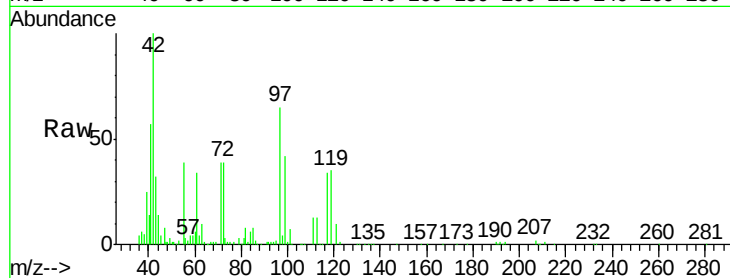
#29
Tetrahydrofuran
Concen: 245.215 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	28.7	43.1
71	37.2	30.8	46.2

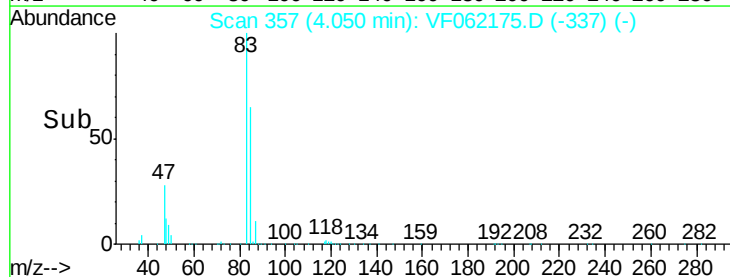
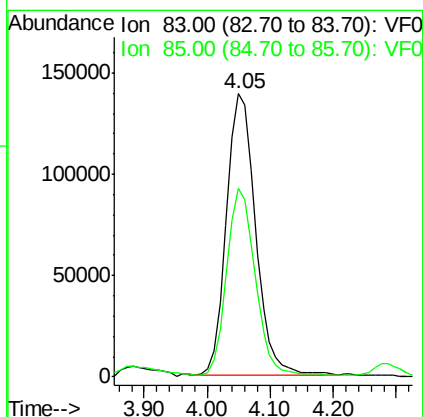
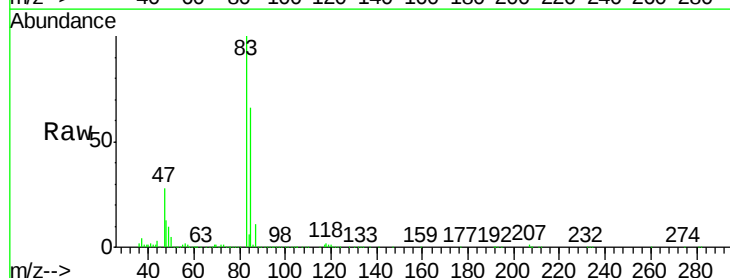
Manual Integrations
APPROVED

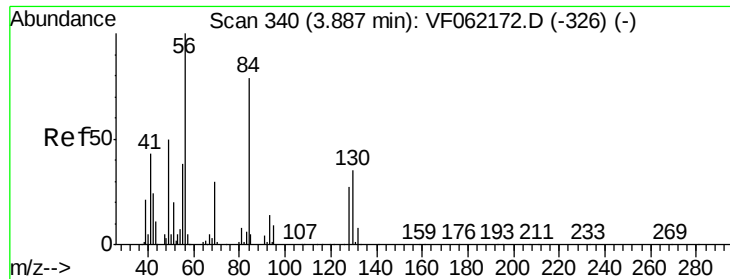
MMDadoda
4/17/2019 11:50:37 AM



#30
Chloroform
Concen: 50.573 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	53.5	80.3





#31

Cyclohexane

Concen: 54.453 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

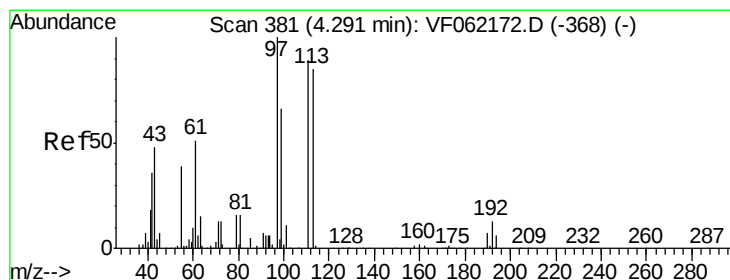
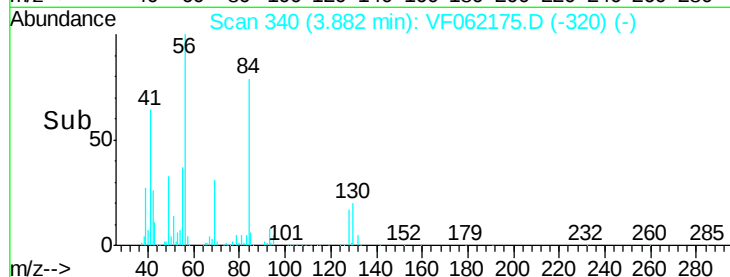
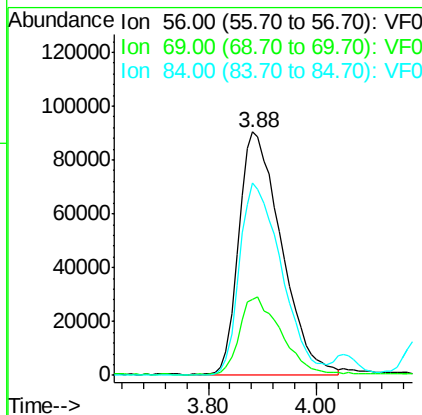
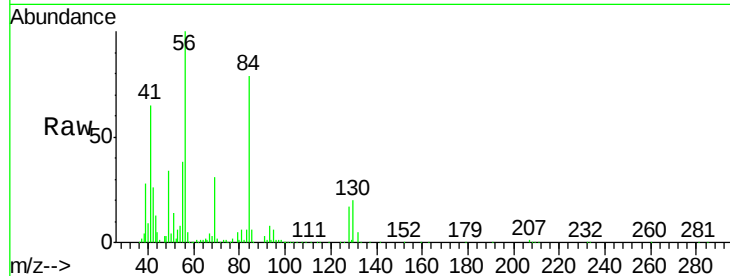
ClientSampleId :

ICVVF041619

Tot Ion:	56	Resp:	492309
Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.4	36.6
84	78.8	63.4	95.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.704 ug/l

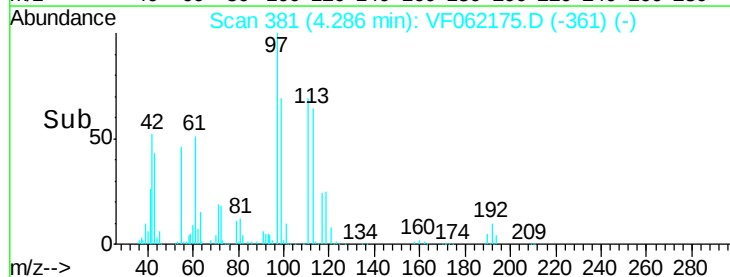
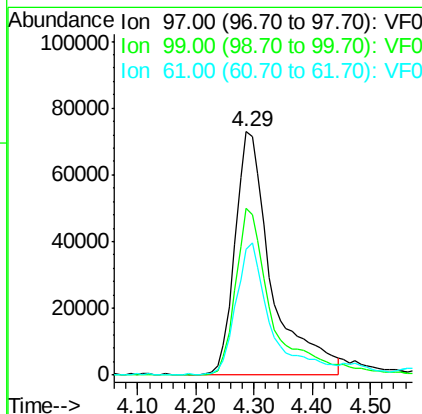
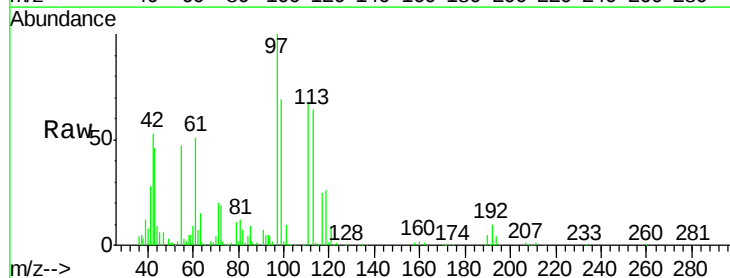
RT: 4.29 min Scan# 381

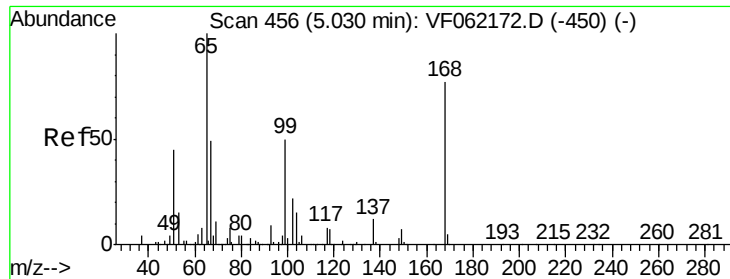
Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion:	97	Resp:	318600
Ion	Ratio	Lower	Upper
97	100		
99	68.7	52.3	78.5
61	51.5	40.9	61.3





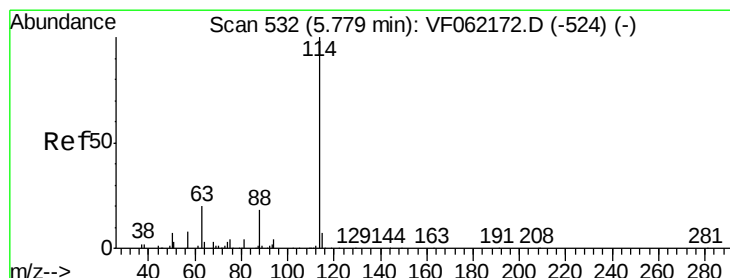
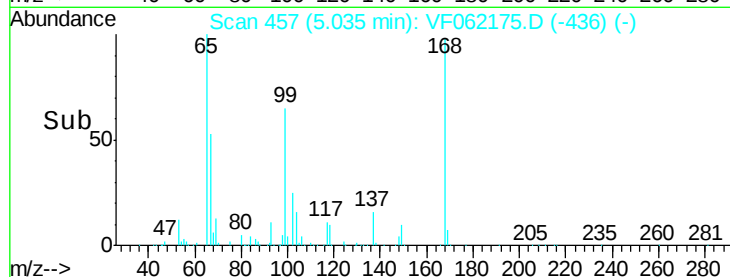
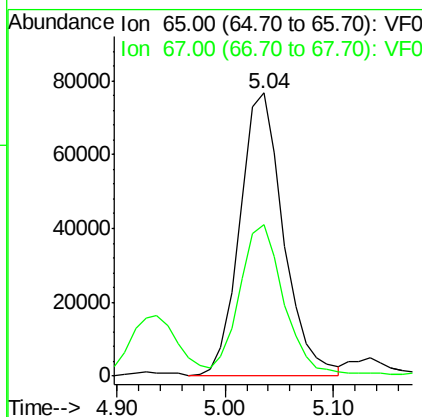
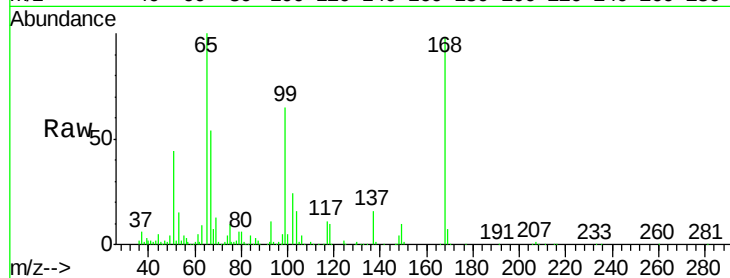
#33
 1,2-Dichloroethane-d4
 Concen: 57.995 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213642		
67	53.6	0.0	107.8	

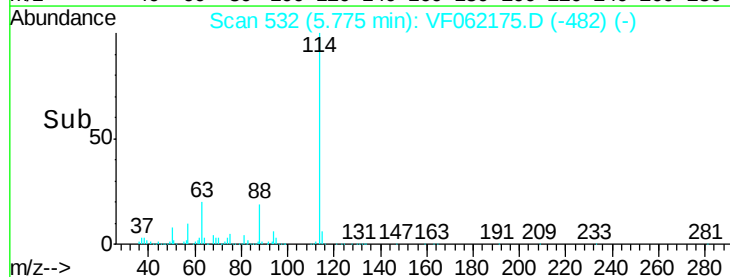
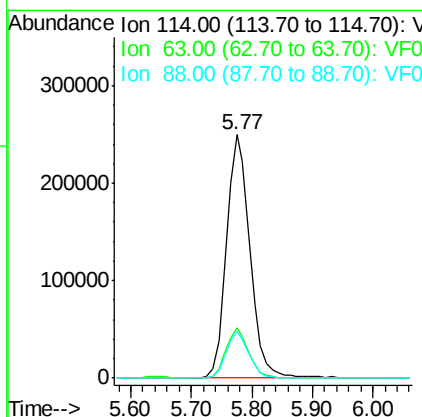
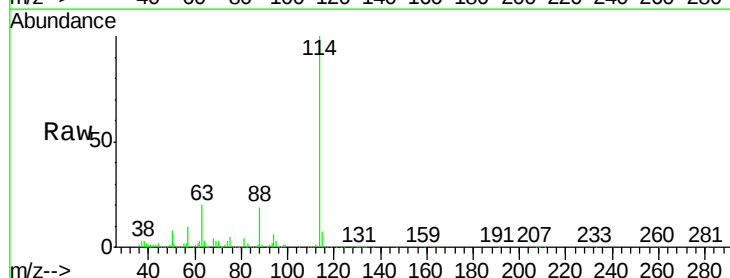
Manual Integrations
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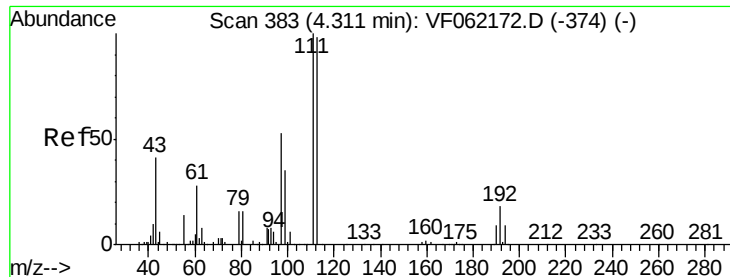
MMDadoda
 4/17/2019 11:50:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	670193		
63	20.4	0.0	40.0	
88	19.0	0.0	36.6	





#35

Dibromofluoromethane

Concen: 53.831 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

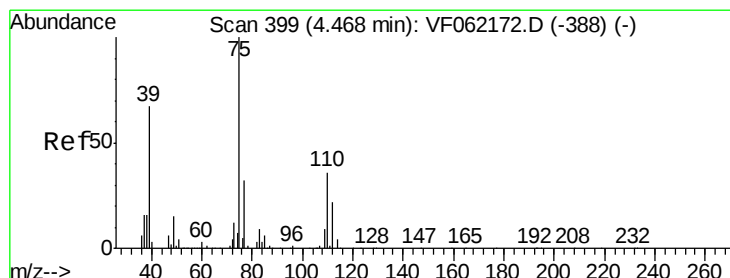
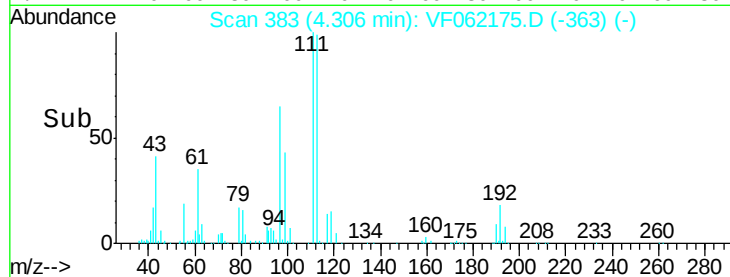
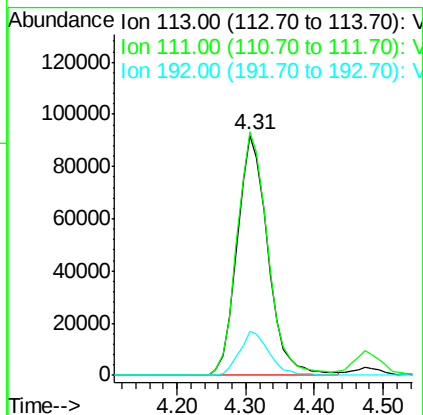
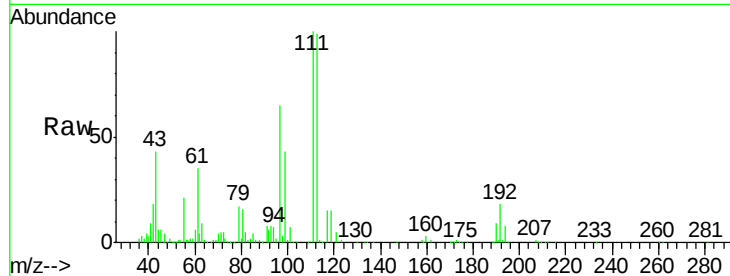
ClientSampleId :

ICVVF041619

Tot Ion:	113	Resp:	284589
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.6	122.4
192	18.1	15.0	22.4

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4/17/2019 11:50:37 AM



#36

1,1-Dichloropropene

Concen: 49.280 ug/l

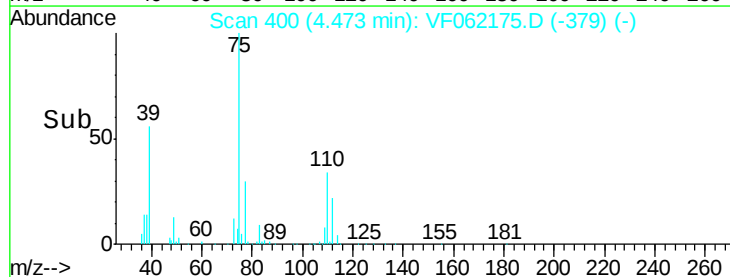
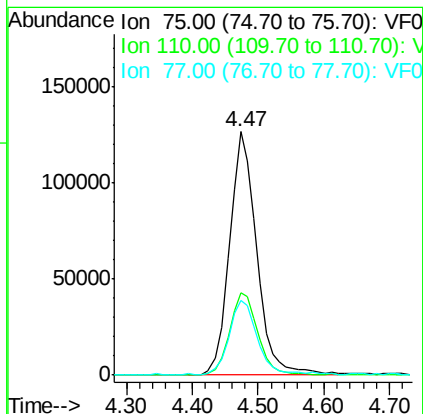
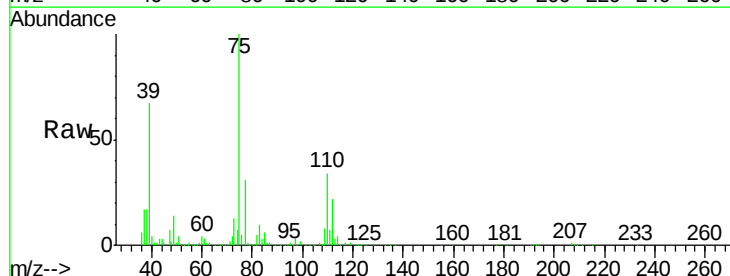
RT: 4.47 min Scan# 400

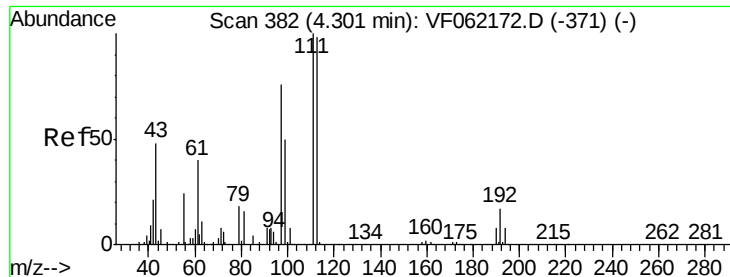
Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion:	75	Resp:	366953
Ion Ratio	Lower	Upper	
75	100		
110	33.8	17.9	53.8
77	30.7	25.6	38.4





#37

Ethyl Acetate

Concen: 44.845 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

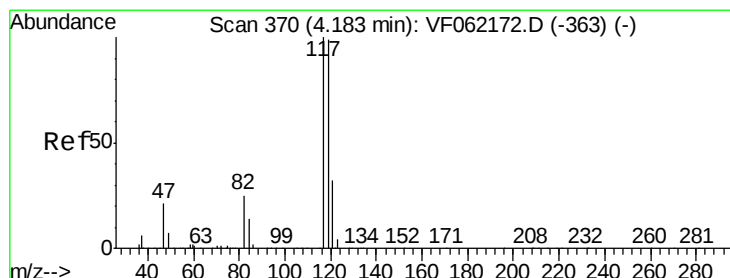
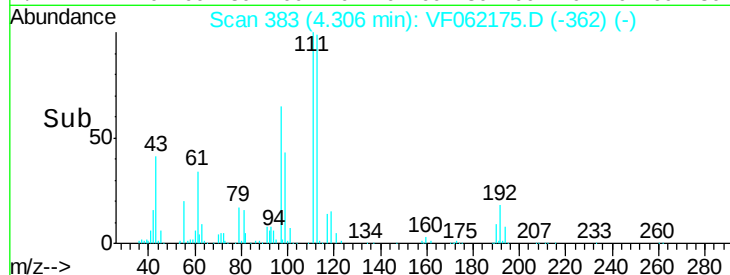
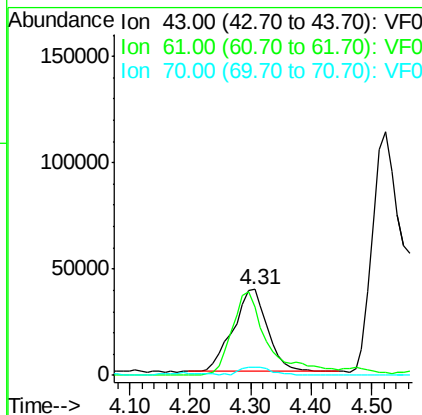
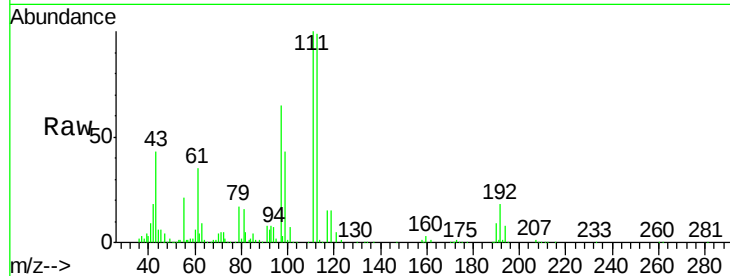
ClientSampleId :

ICVVF041619

Tot Ion:	43	Resp:	153868
Ion	Ratio	Lower	Upper
43	100		
61	80.2	64.9	97.3
70	9.7	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.339 ug/l m

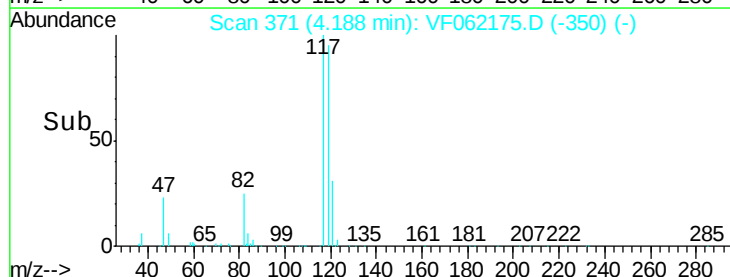
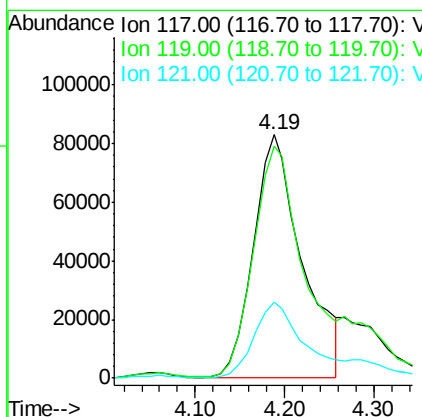
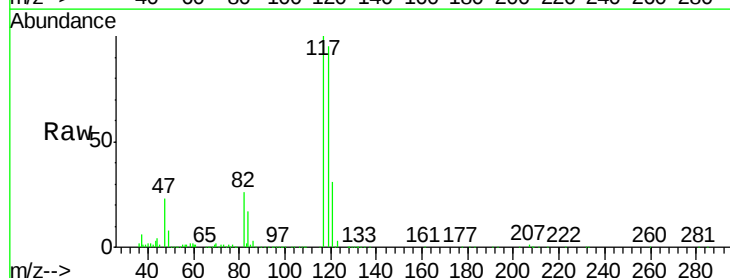
RT: 4.19 min Scan# 371

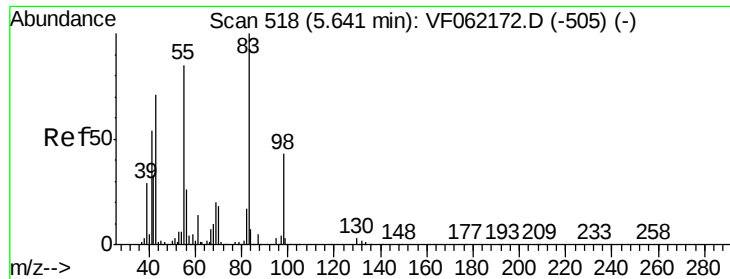
Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion:	117	Resp:	316223
Ion	Ratio	Lower	Upper
117	100		
119	95.1	78.9	118.3
121	31.3	25.3	37.9





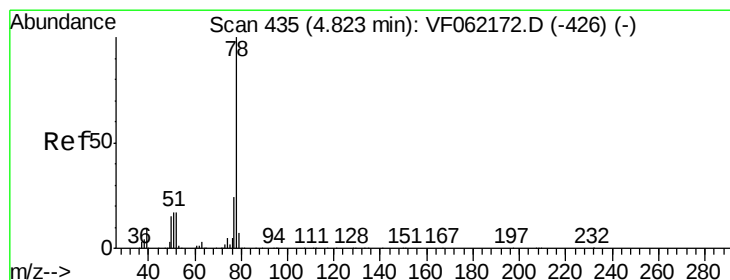
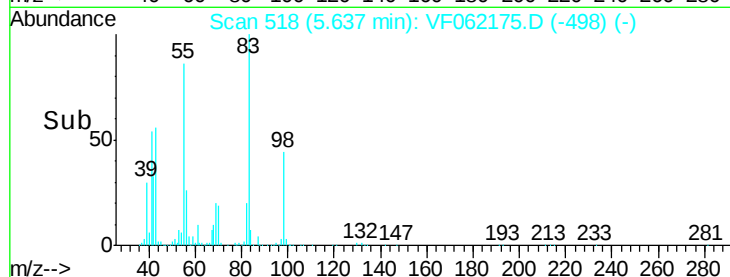
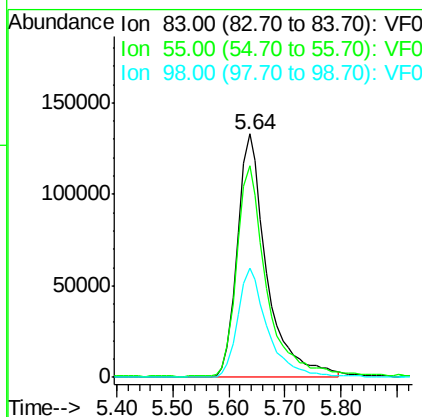
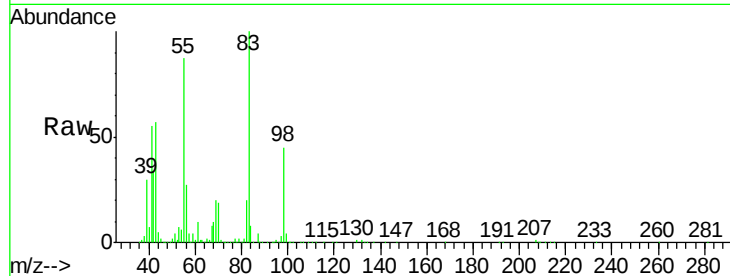
#39
Methvlcvclohexane
Concen: 51.762 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	68.2	102.2
98	44.6	34.4	51.6

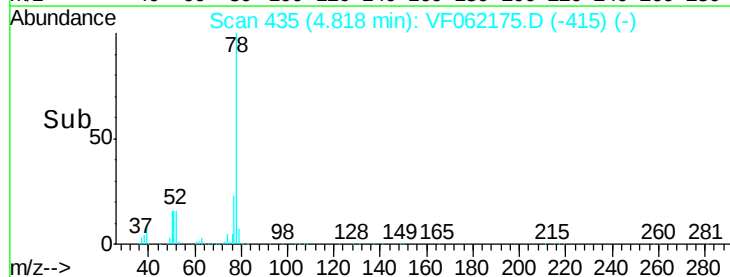
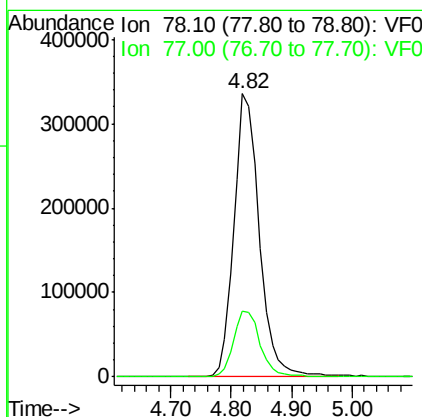
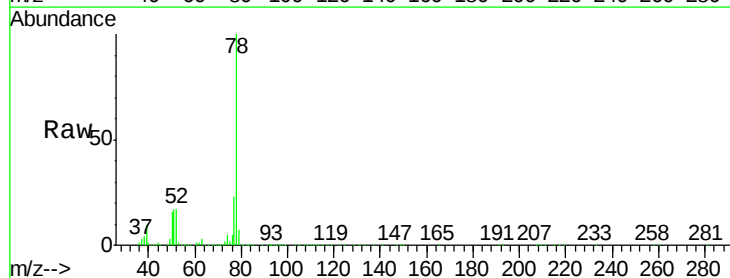
Manual Integrations
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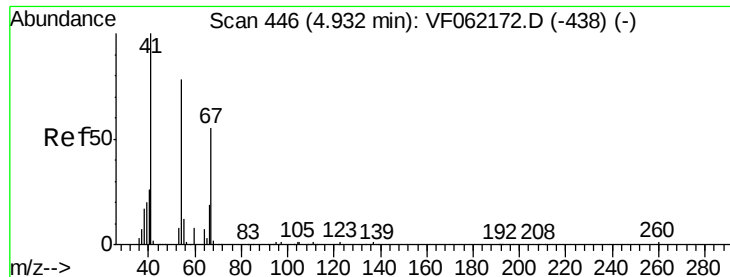
MMDadoda
4/17/2019 11:50:37 AM



#40
Benzene
Concen: 49.886 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





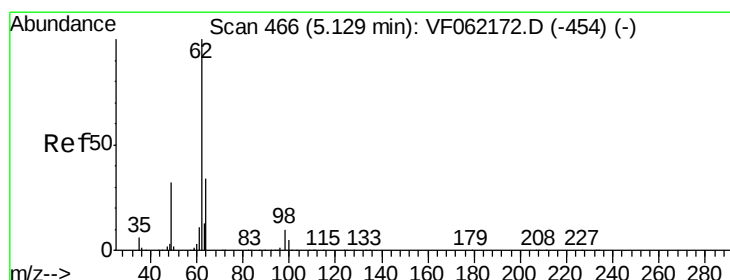
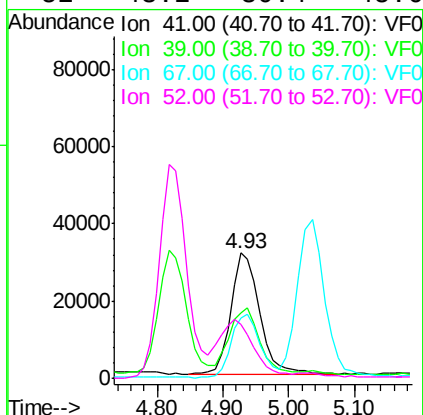
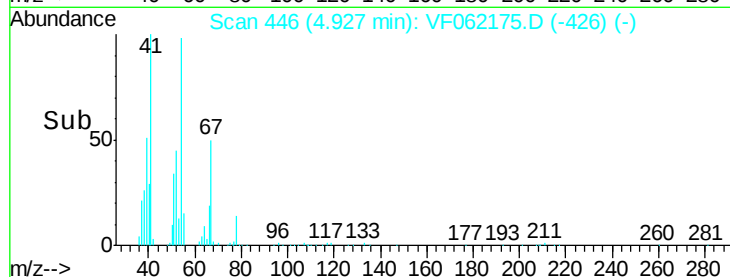
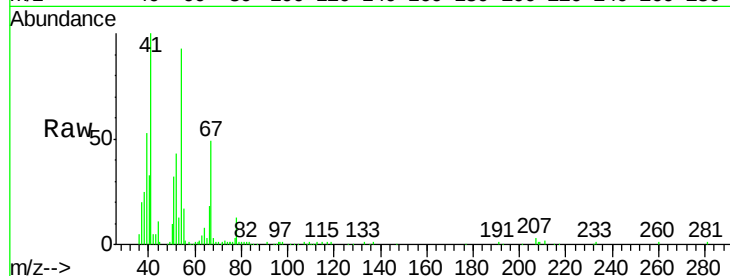
#41
Methacrylonitrile
Concen: 47.203 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	43.5	65.3	
67	48.7	42.9	64.3	
52	43.2	30.4	45.6	

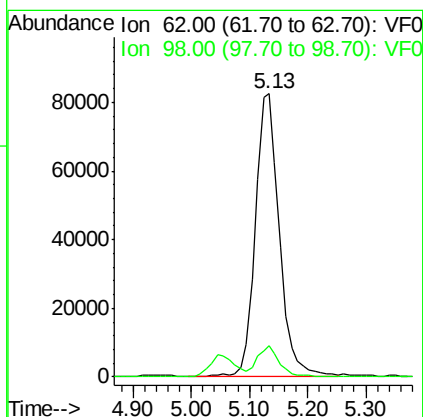
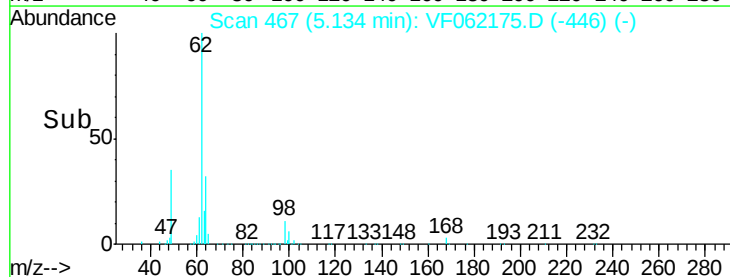
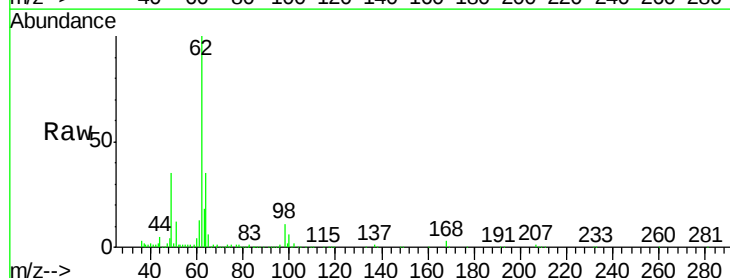
Manual Integrations
APPROVED

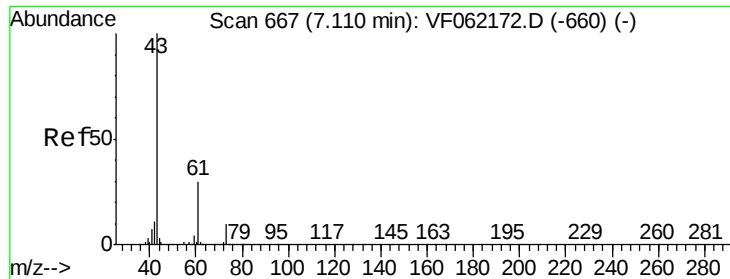
MMDadoda
4/17/2019 11:50:37 AM



#42
1,2-Dichloroethane
Concen: 48.314 ug/l
RT: 5.13 min Scan# 467
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.0	0.0	22.0	





#43

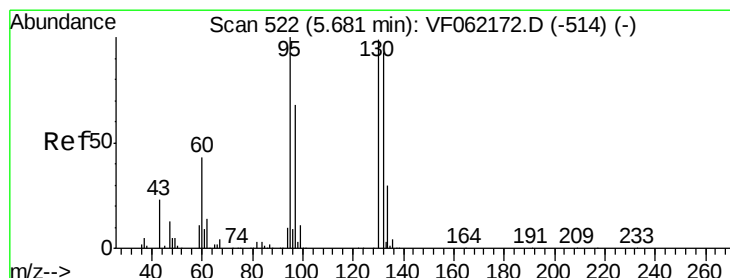
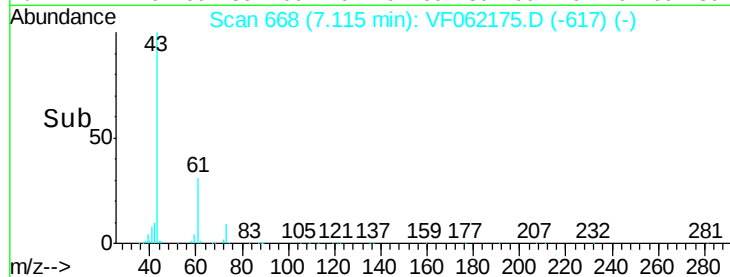
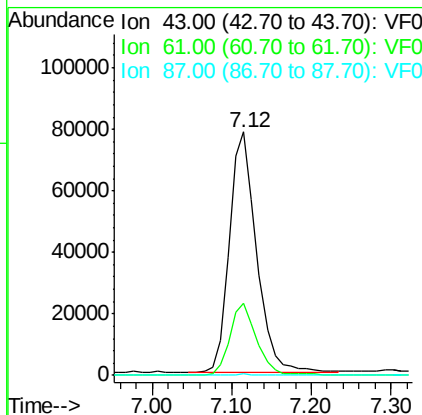
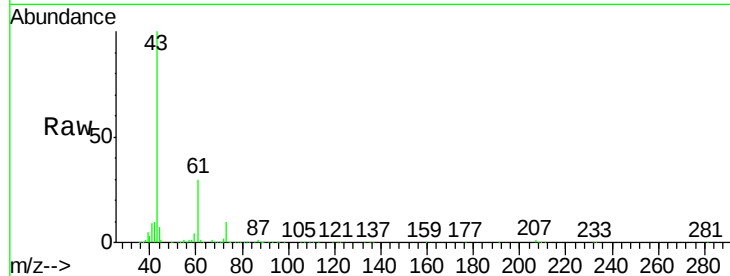
Isopropyl Acetate
 Concen: 46.674 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.7	35.5
87	0.5	0.3	0.5

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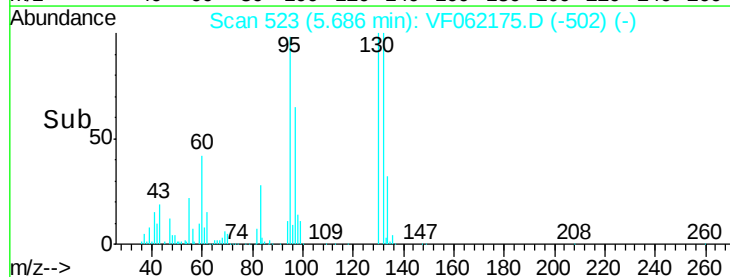
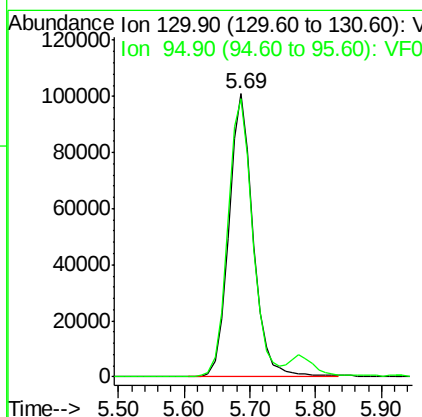
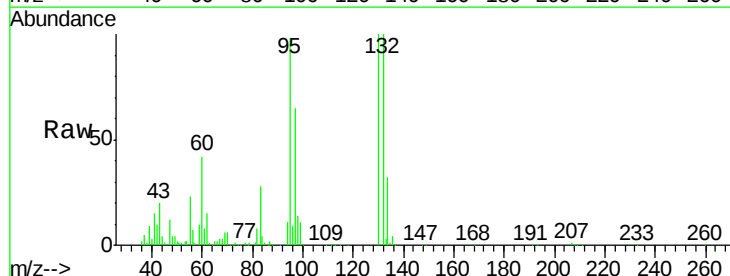
MMDadoda
 4/17/2019 11:50:37 AM

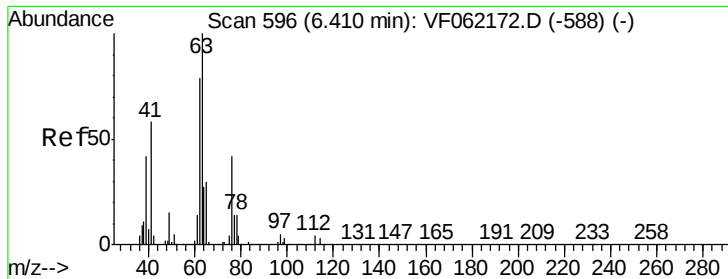


#44

Trichloroethene
 Concen: 49.456 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	202.2





#45

1,2-Dichloropropane

Concen: 47.609 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 63 Resp: 229732

Ion Ratio Lower Upper

63 100

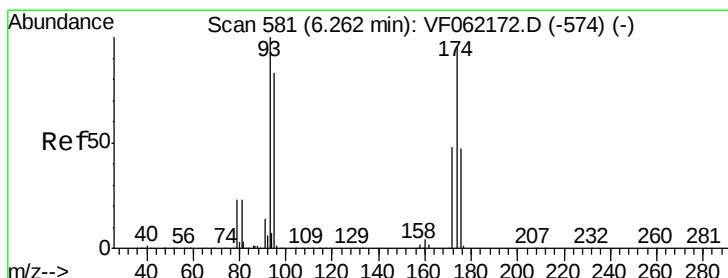
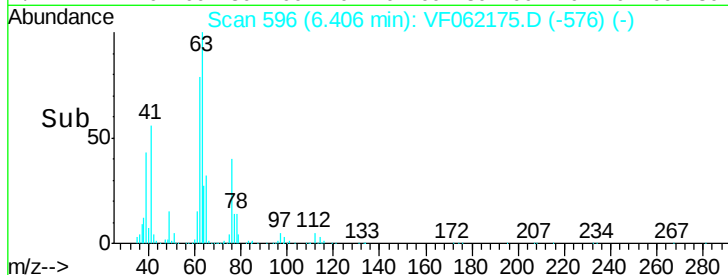
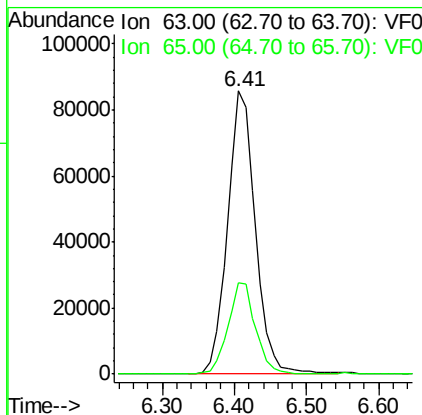
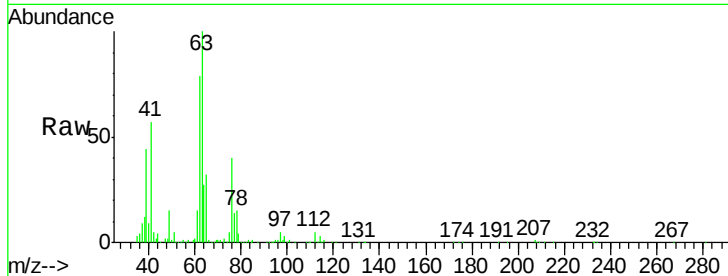
65 32.3 23.7 35.5

Manual Integrations

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#46

Dibromomethane

Concen: 47.282 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

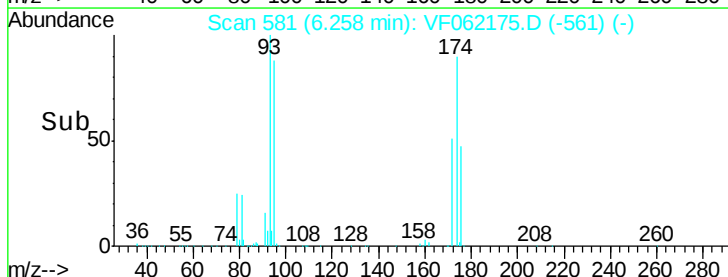
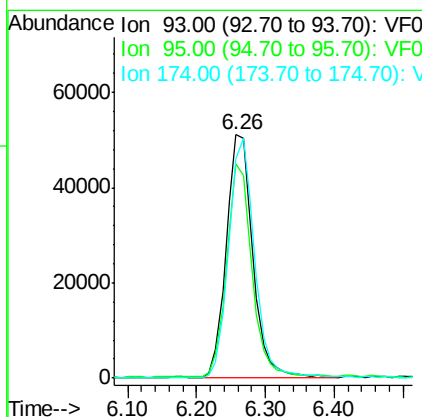
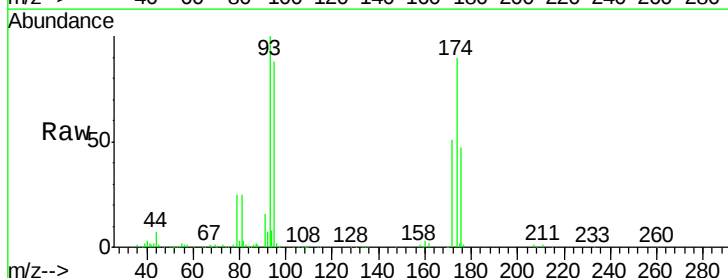
Tgt Ion: 93 Resp: 137580

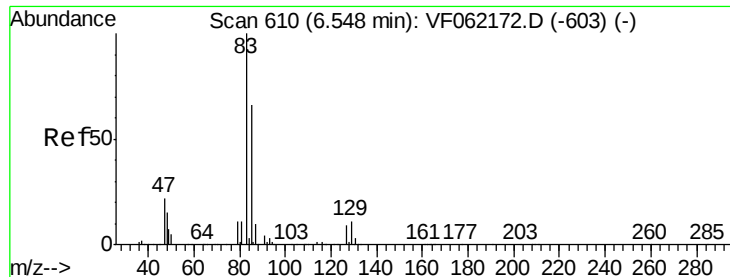
Ion Ratio Lower Upper

93 100

95 87.8 67.0 100.6

174 90.2 76.3 114.5





#47

Bromodichloromethane

Concen: 47.083 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

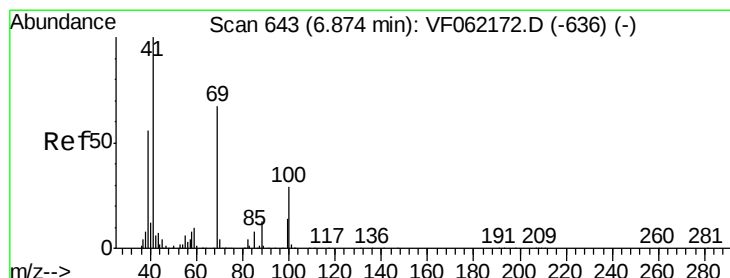
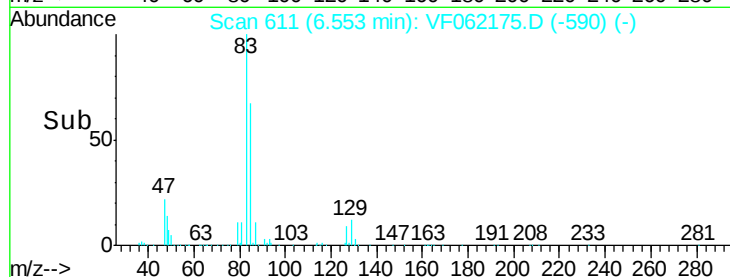
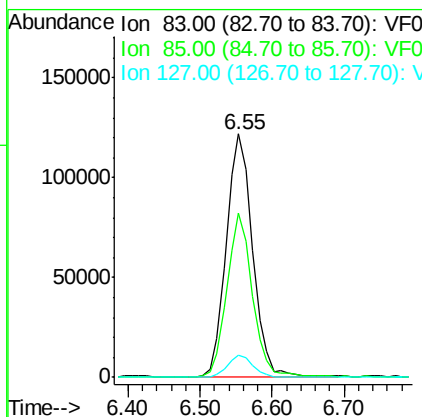
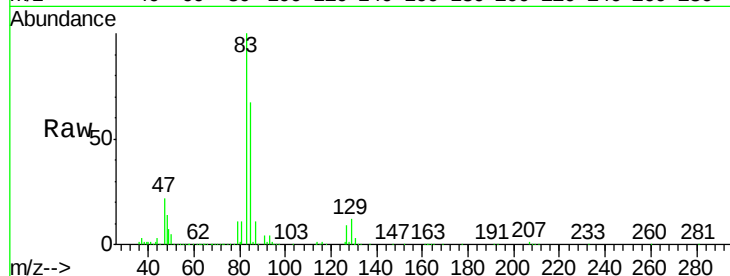
ClientSampleId :

ICVVF041619

Tot Ion:	83	Resp:	310375
Ion Ratio	Lower	Upper	
83	100		
85	67.2	52.6	79.0
127	9.3	6.8	10.2

Manual Integrations
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4/17/2019 11:50:37 AM



#48

Methyl methacrylate

Concen: 47.902 ug/l

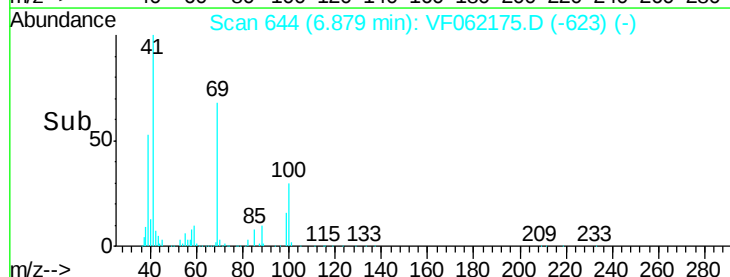
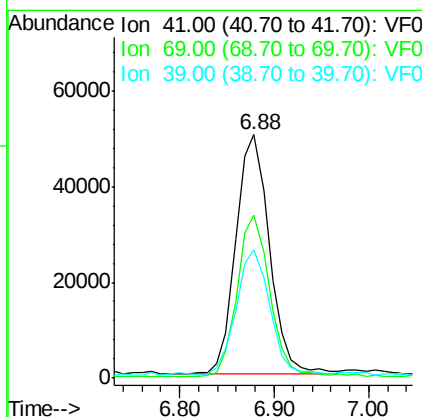
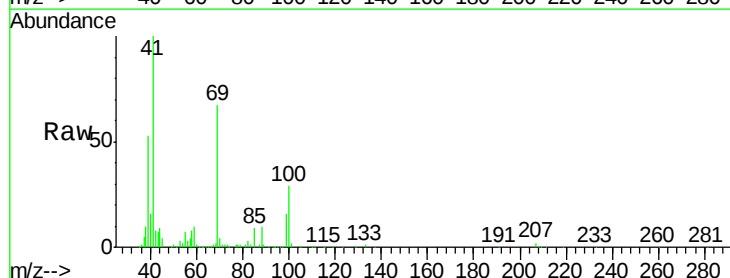
RT: 6.88 min Scan# 644

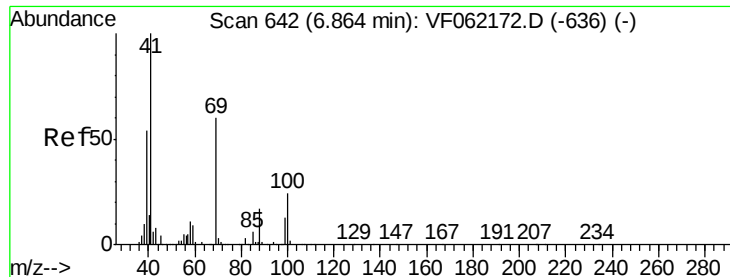
Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion:	41	Resp:	124332
Ion Ratio	Lower	Upper	
41	100		
69	66.7	52.8	79.2
39	52.9	45.0	67.4





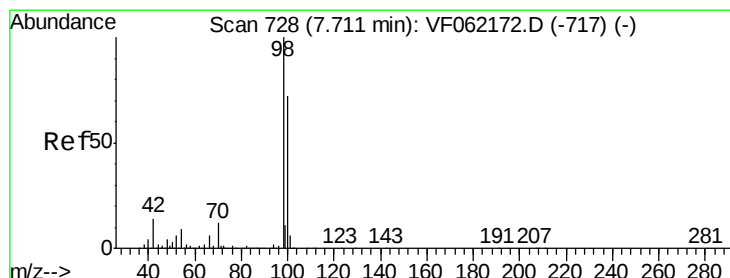
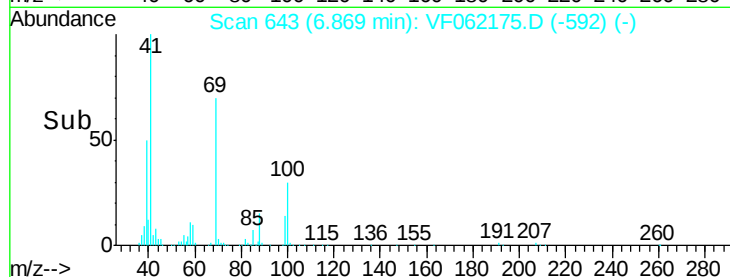
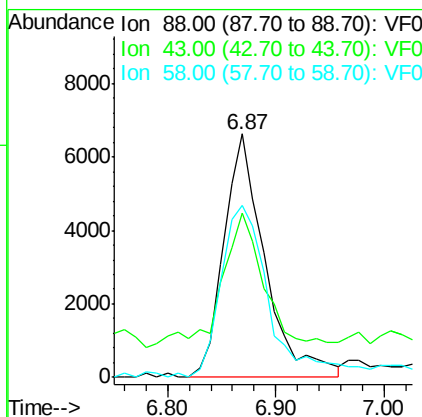
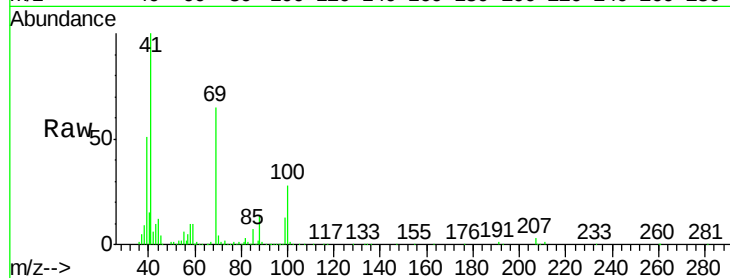
#49
1,4-Dioxane
Concen: 866.365 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	88	Resp	17523
Ion	Ratio	Lower	Upper
88	100		
43	67.6	49.5	74.3
58	70.4	52.6	79.0

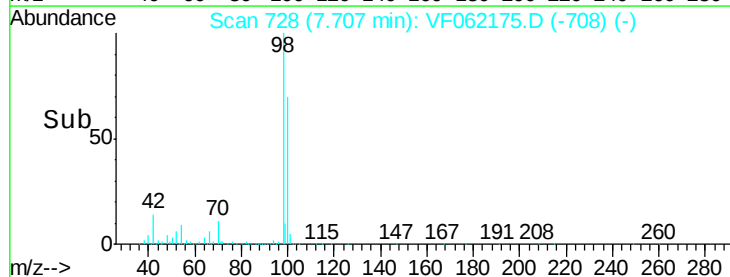
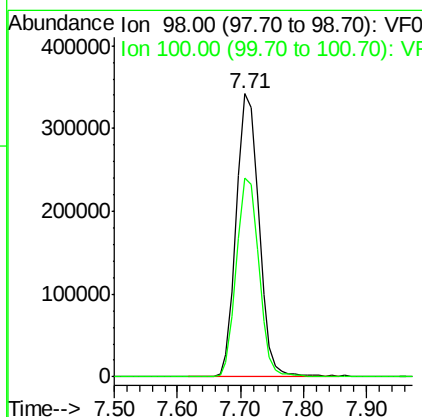
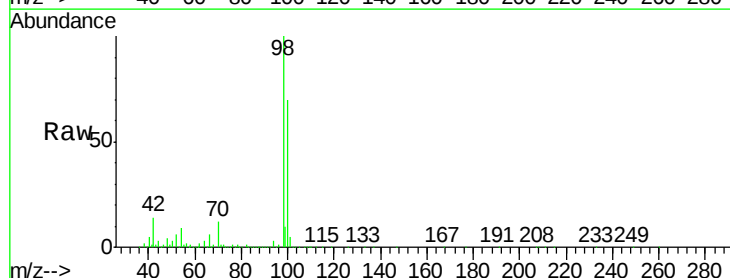
Manual Integrations
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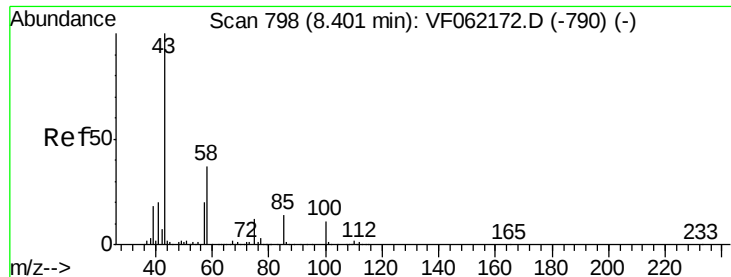
MMDadoda
4/17/2019 11:50:37 AM



#50
Toluene-d8
Concen: 55.099 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	98	Resp	851229
Ion	Ratio	Lower	Upper
98	100		
100	70.5	57.4	86.0





#51

4-Methyl-2-Pentanone

Concen: 223.975 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 43 Resp: 684190

Ion Ratio Lower Upper

43 100

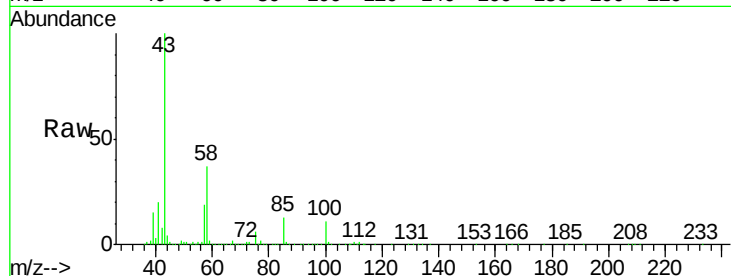
58 37.0 29.7 44.5

Manual Integrations

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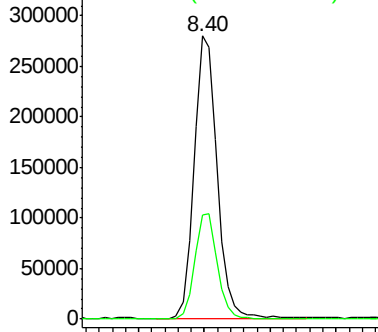
MMDadoda

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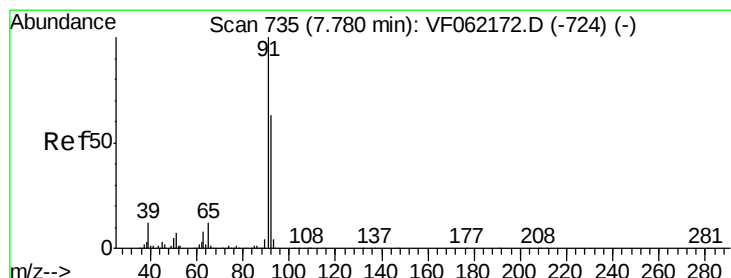
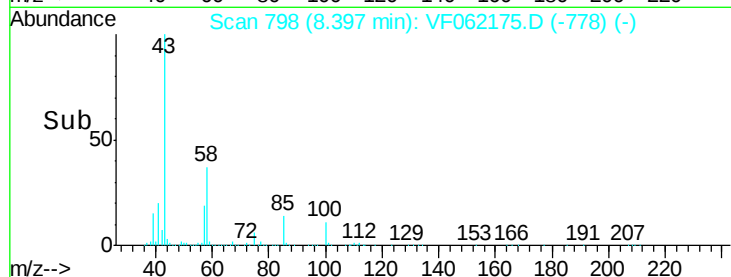


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->



#52

Toluene

Concen: 47.359 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF062175.D

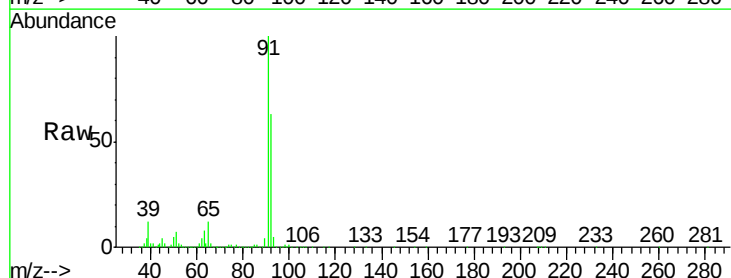
Acq: 16 Apr 2019 14:40

Tgt Ion: 92 Resp: 547225

Ion Ratio Lower Upper

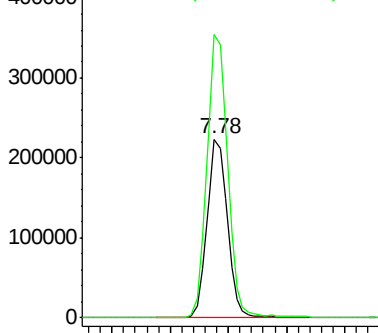
92 100

91 158.6 126.9 190.3

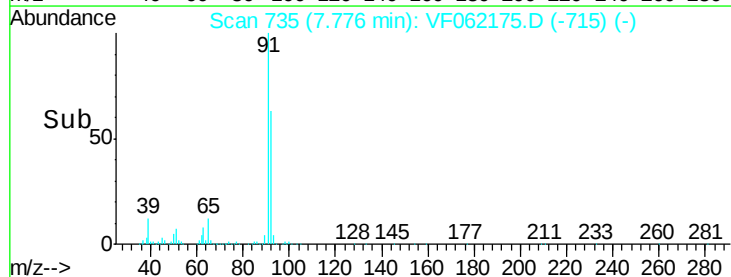


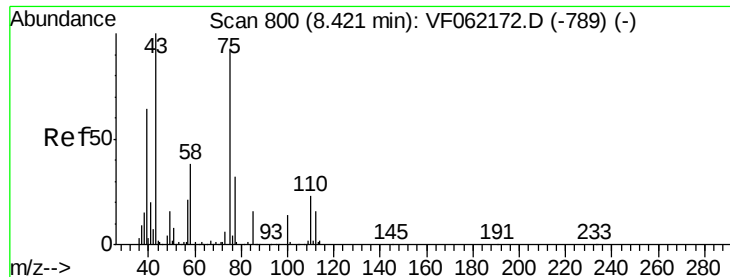
Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



Time-->





#53

t-1,3-Dichloropropene

Concen: 45.749 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 75 Resp: 261223

Ion Ratio Lower Upper

75 100

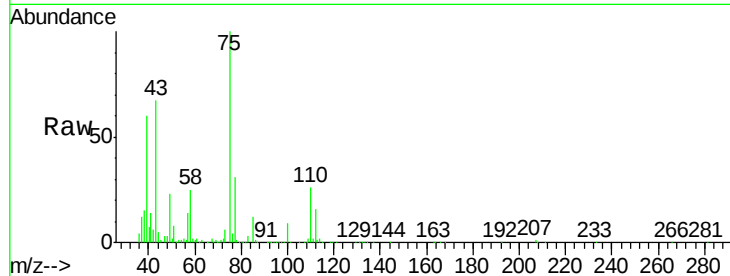
77 30.8 27.8 41.6

Manual Integrations

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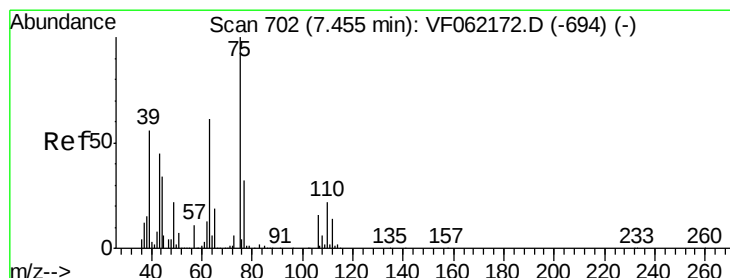
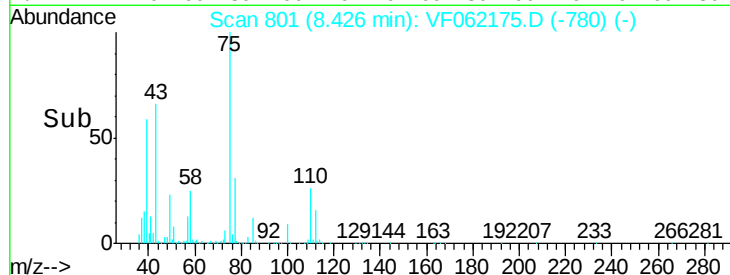
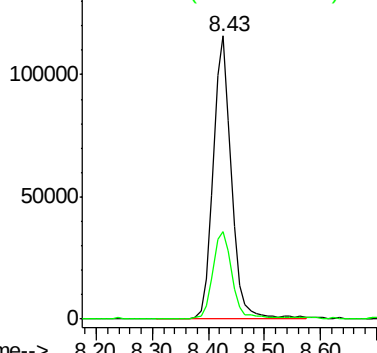
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 47.741 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

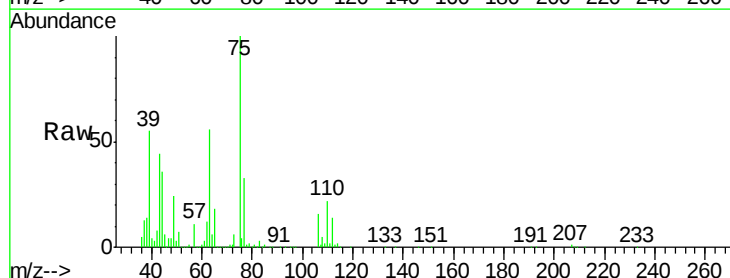
Tgt Ion: 75 Resp: 346634

Ion Ratio Lower Upper

75 100

77 33.2 26.0 39.0

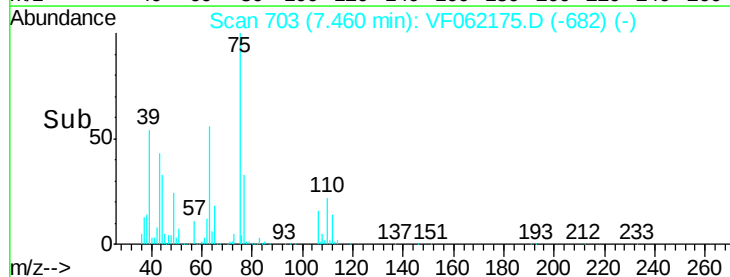
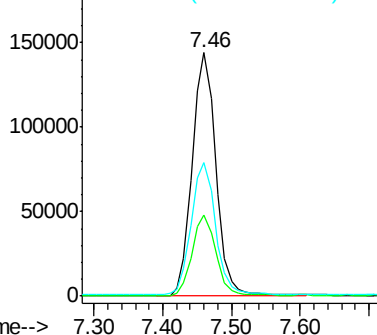
39 54.9 45.2 67.8

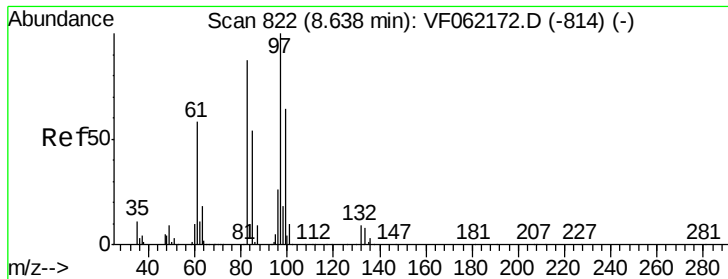


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 45.641 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

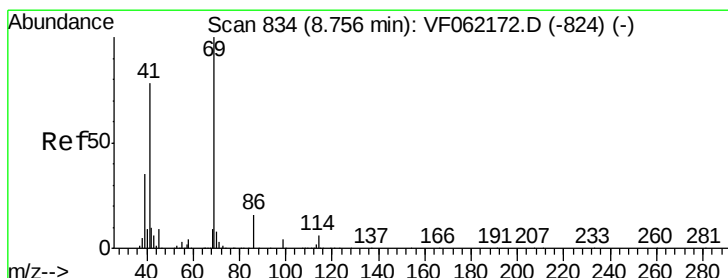
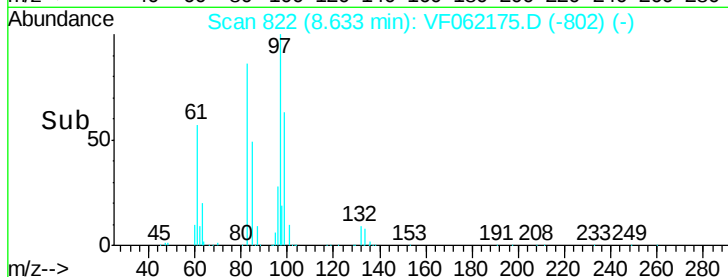
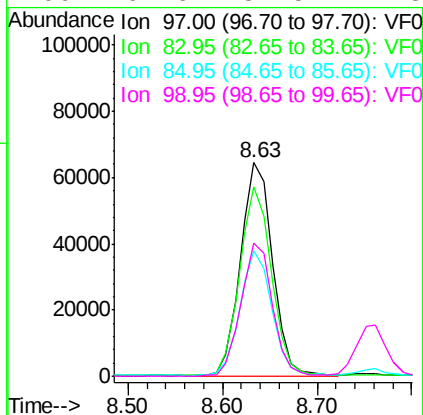
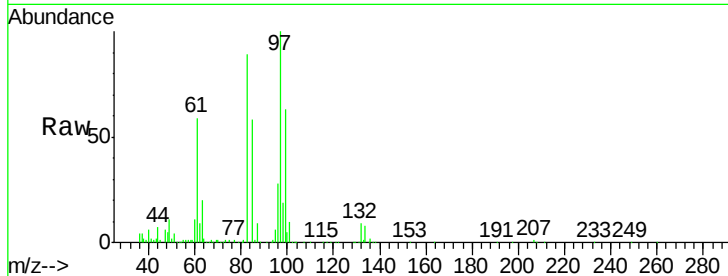
ClientSampleId :

ICVVF041619

Tot Ion:	97	Resp:	151046
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.6	104.4
85	58.5	43.5	65.3
99	62.6	51.5	77.3

Manual Integrations
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#56

Ethyl methacrylate

Concen: 43.708 ug/l

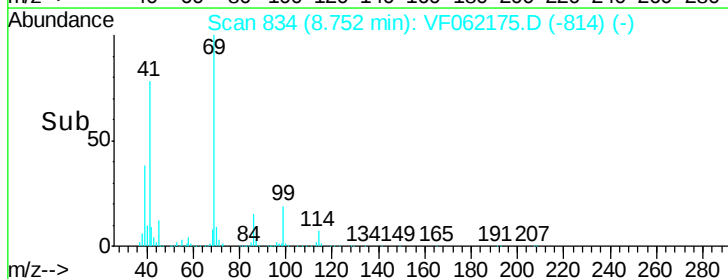
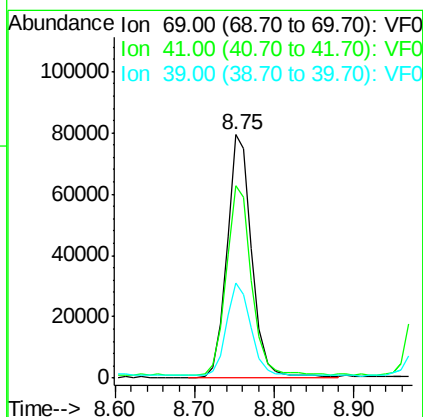
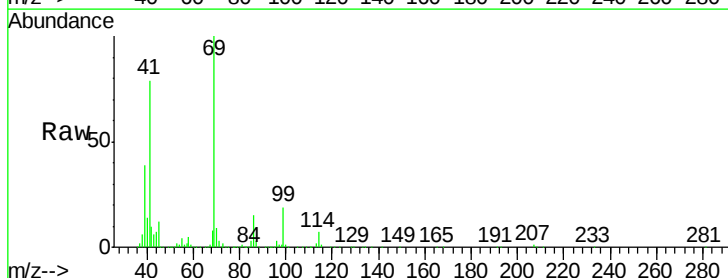
RT: 8.75 min Scan# 834

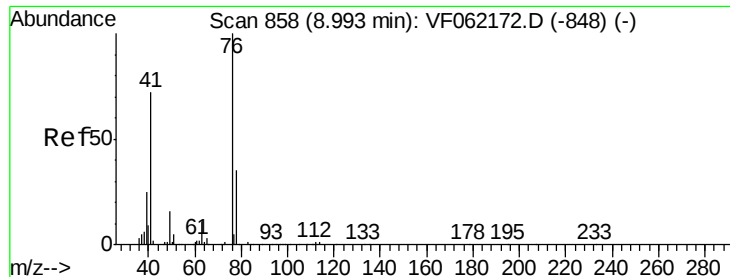
Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion:	69	Resp:	172002
Ion	Ratio	Lower	Upper
69	100		
41	79.1	63.4	95.0
39	39.2	29.0	43.6





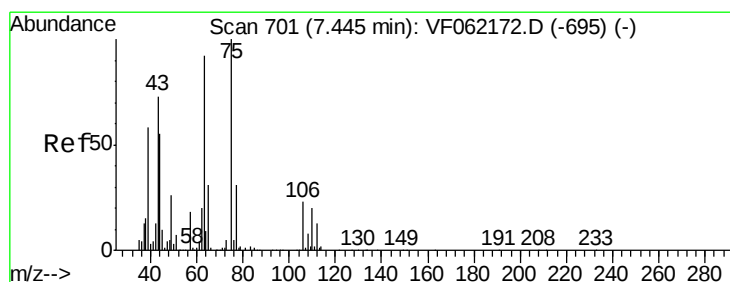
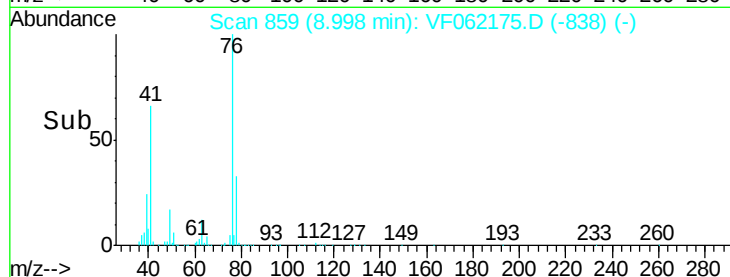
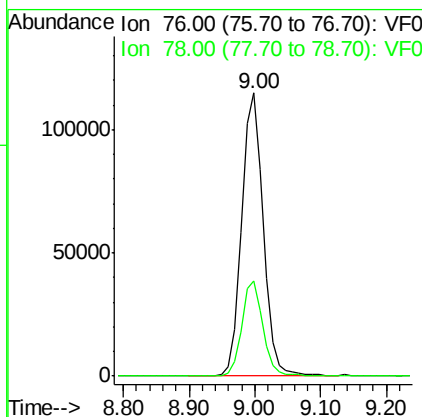
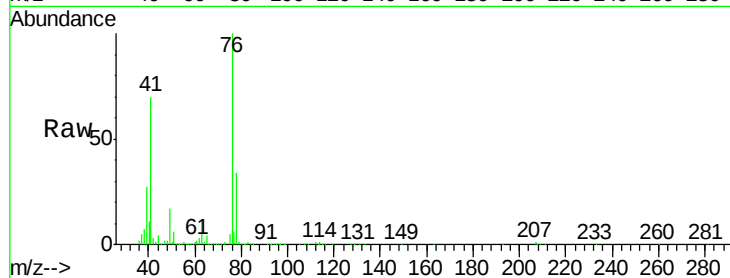
#57
 1,3-Dichloropropane
 Concen: 48.826 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.6	28.2	42.2

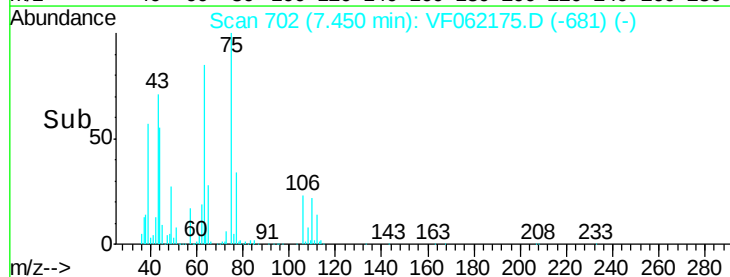
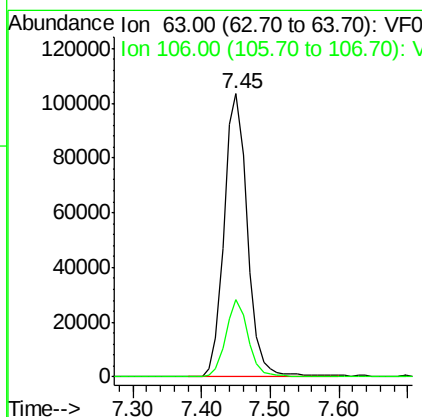
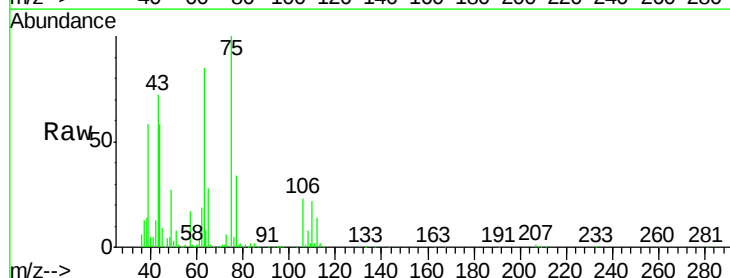
Manual Integrations
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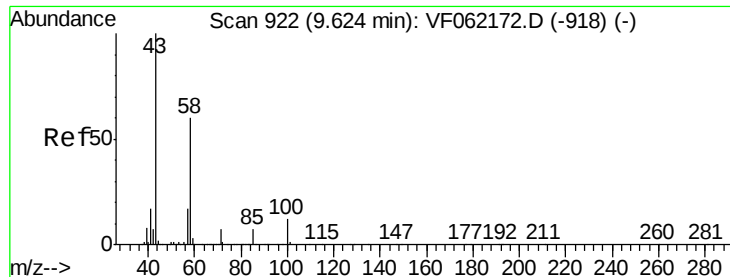
MMDadoda
 4/17/2019 11:50:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.320 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	20.2	30.4





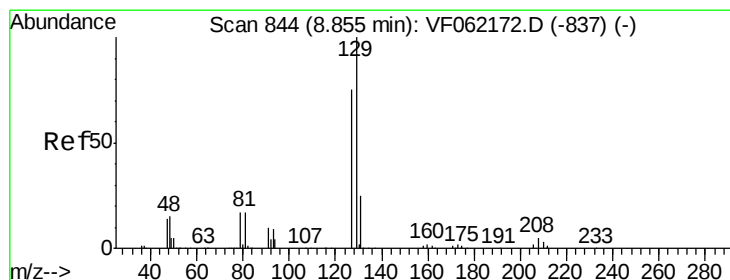
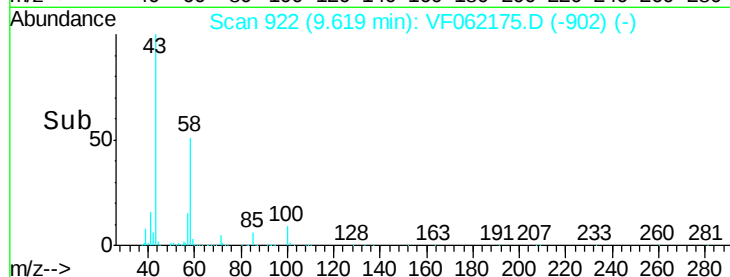
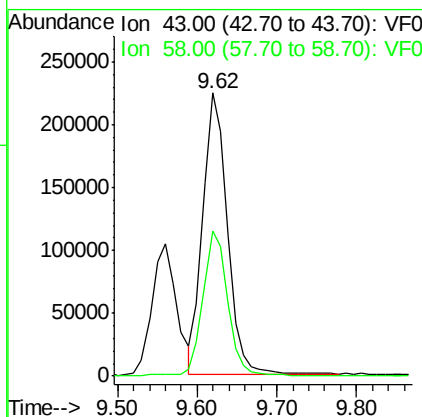
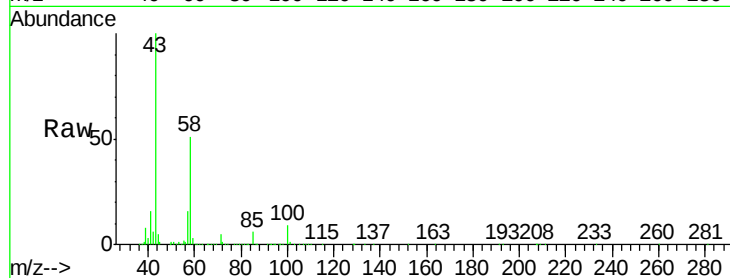
#59
2-Hexanone
Concen: 248.223 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion: 43 Resp: 481906
Ion Ratio Lower Upper
43 100
58 51.1 26.8 80.4

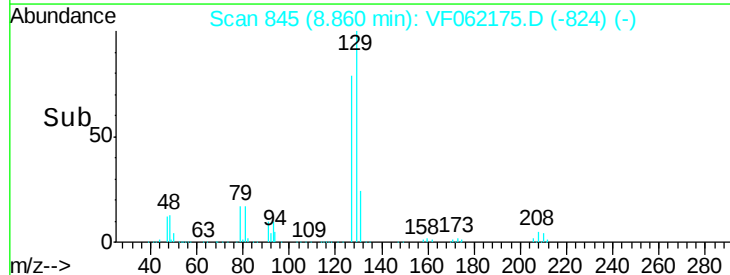
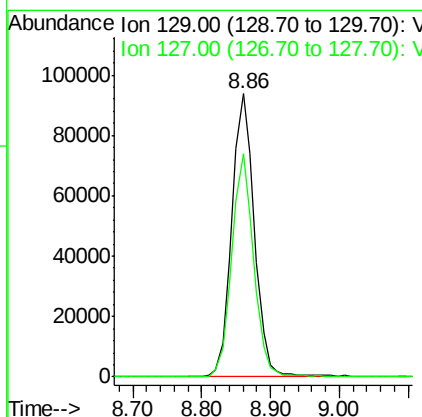
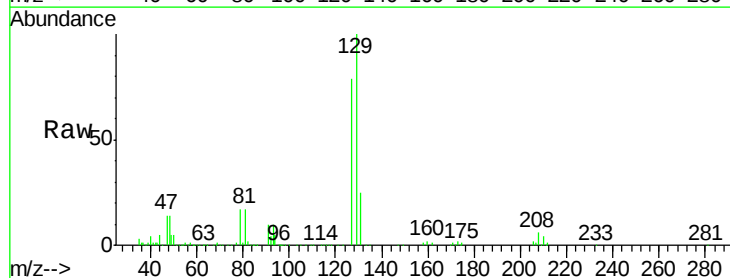
Manual Integrations
APPROVED

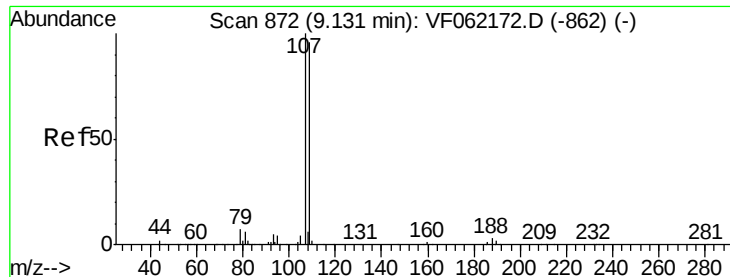
MMDadoda
4/17/2019 11:50:37 AM



#60
Dibromochloromethane
Concen: 46.560 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion: 129 Resp: 212006
Ion Ratio Lower Upper
129 100
127 78.8 37.7 113.1





#61

1,2-Dibromoethane

Concen: 49.925 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 107 Resp: 176766

Ion Ratio Lower Upper

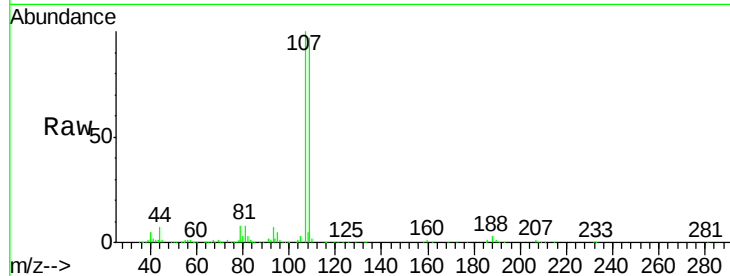
107 100

109 96.6 76.8 115.2

Manual Integrations
APPROVED

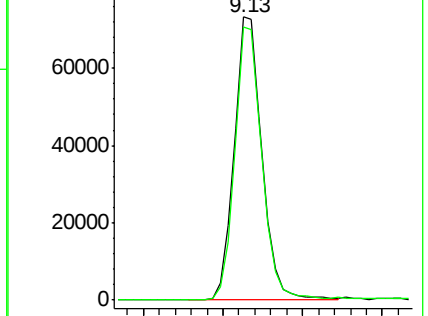
MMDadoda

4/17/2019 11:50:37 AM

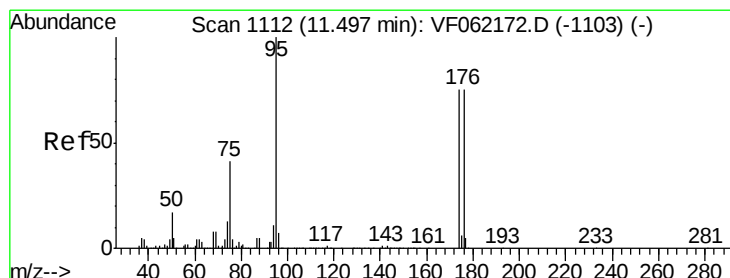
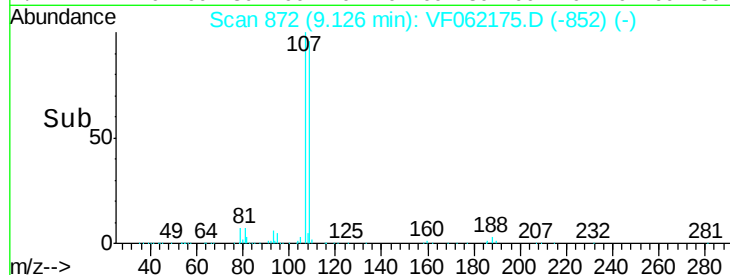


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 52.957 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

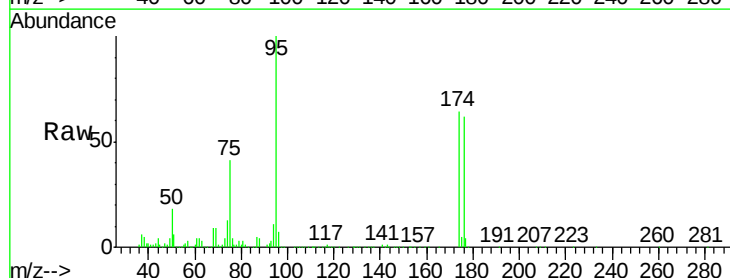
Tgt Ion: 95 Resp: 323086

Ion Ratio Lower Upper

95 100

174 63.8 0.0 150.2

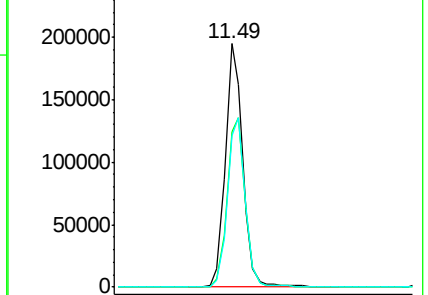
176 62.2 0.0 149.4



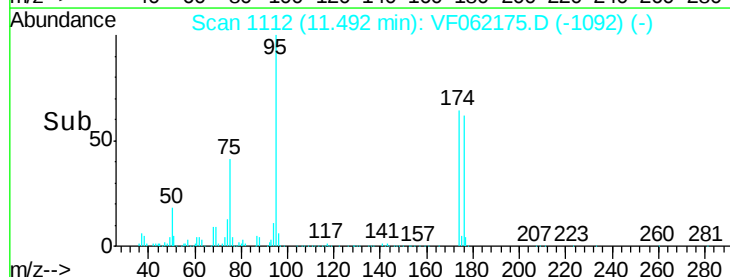
Abundance Ion 95.00 (94.70 to 95.70): VF0

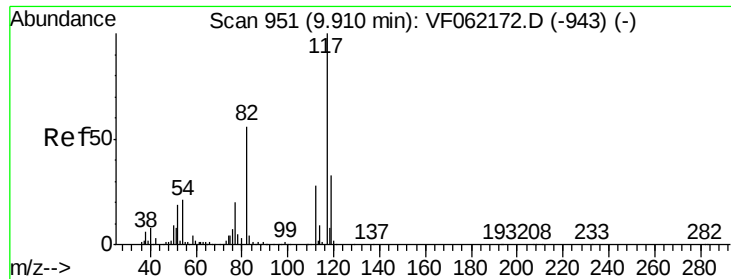
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->





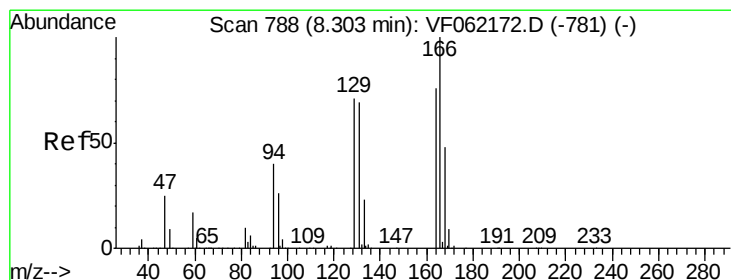
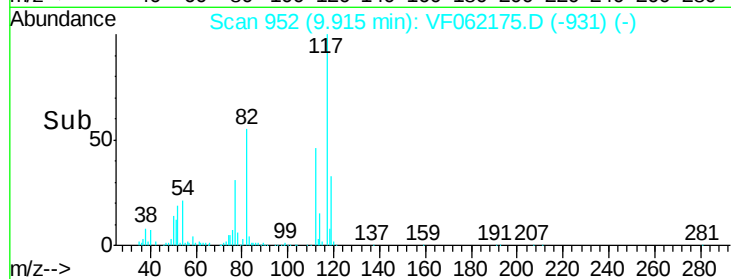
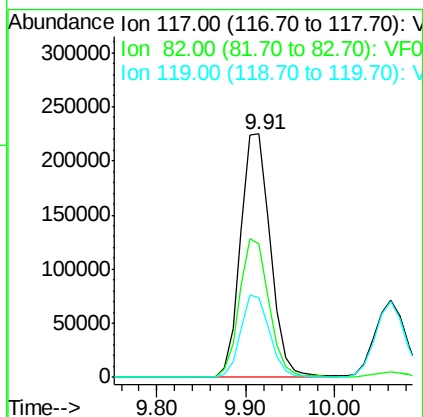
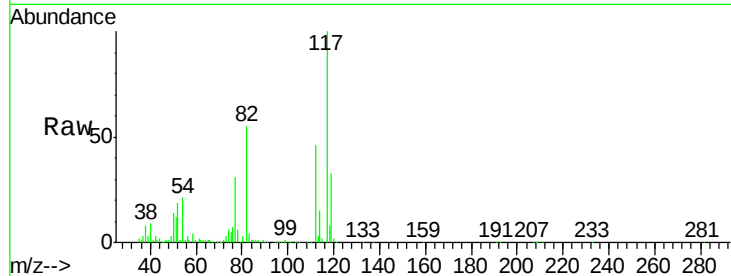
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	54.6	45.2	67.8	
119	32.7	26.6	39.8	

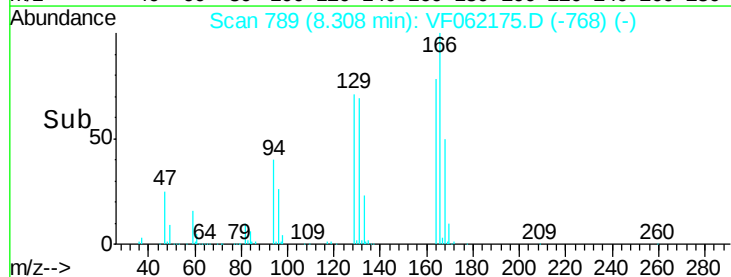
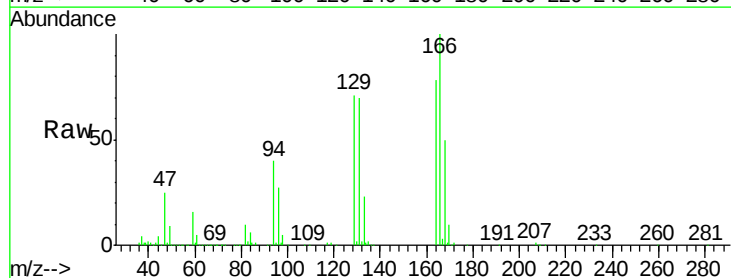
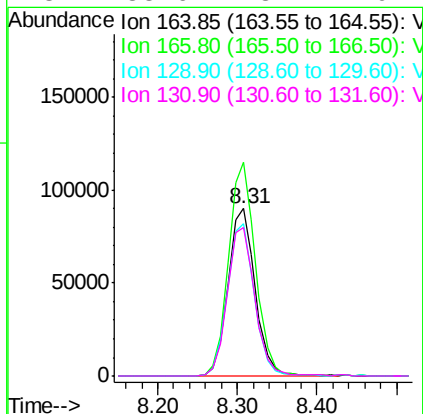
Manual Integrations
APPROVED

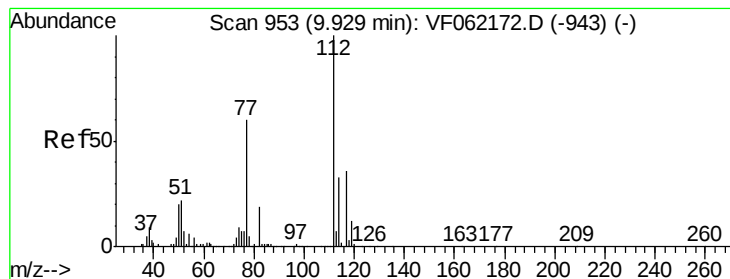
MMDadoda
4/17/2019 11:50:37 AM



#64
Tetrachloroethene
Concen: 50.320 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.4	105.9	158.9	
129	90.6	75.3	112.9	
131	88.6	73.4	110.2	





#65

Chlorobenzene

Concen: 51.379 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion:112 Resp: 559971

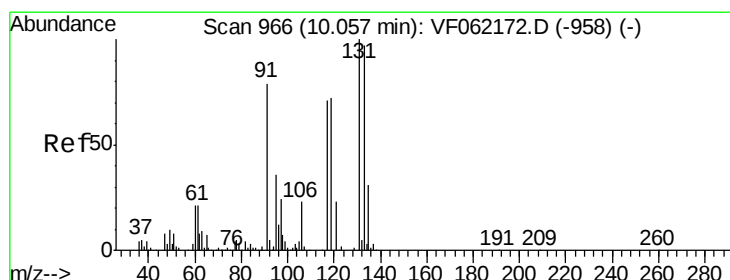
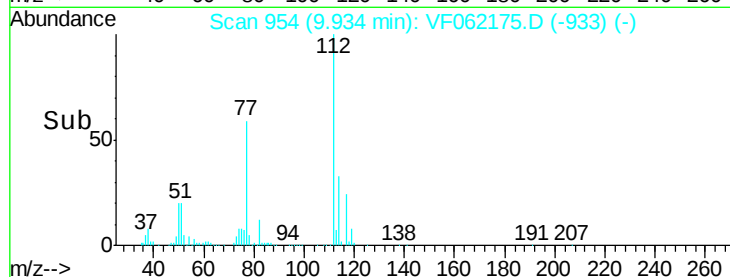
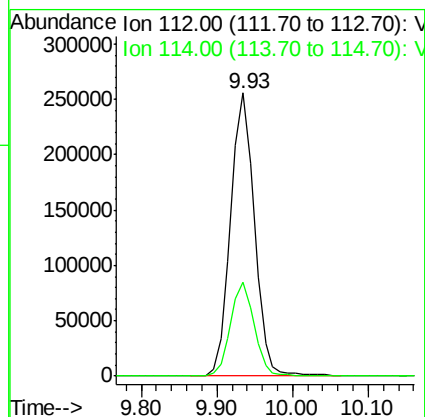
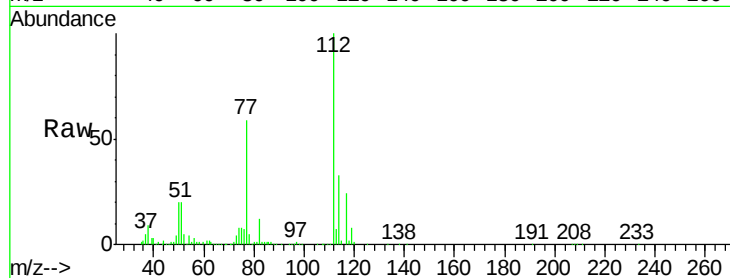
Ion Ratio Lower Upper

112 100

114 33.1 26.6 39.8

Manual Integrations
APPROVED

MMDadoda
4/17/2019 11:50:37 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 49.639 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

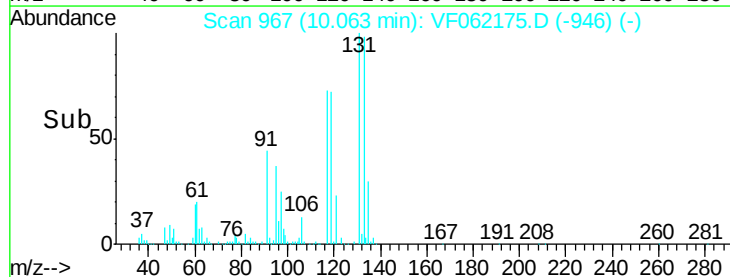
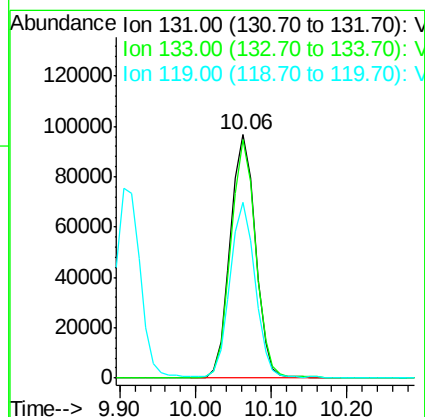
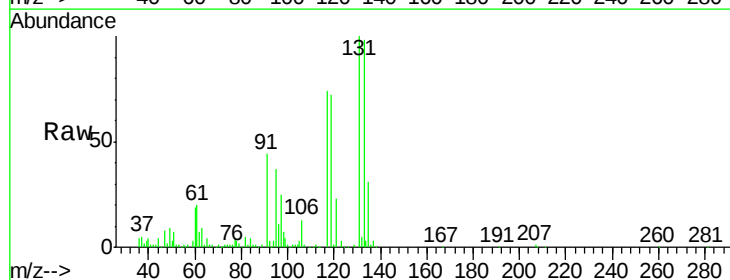
Tgt Ion:131 Resp: 223352

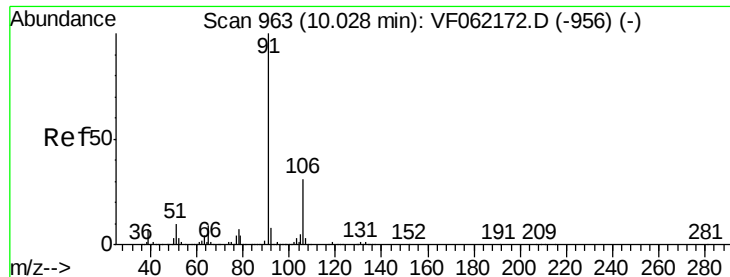
Ion Ratio Lower Upper

131 100

133 98.2 48.4 145.2

119 72.4 36.3 108.9





#67

Ethyl Benzene

Concen: 50.422 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 91 Resp: 1018664

Ion Ratio Lower Upper

91 100

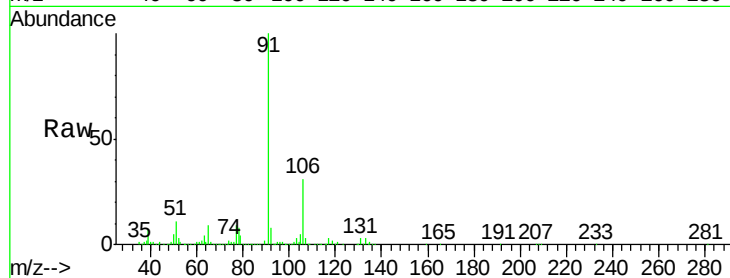
106 31.4 24.7 37.1

Manual Integrations

APPROVED

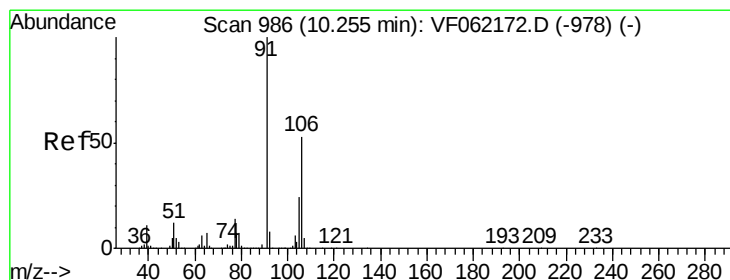
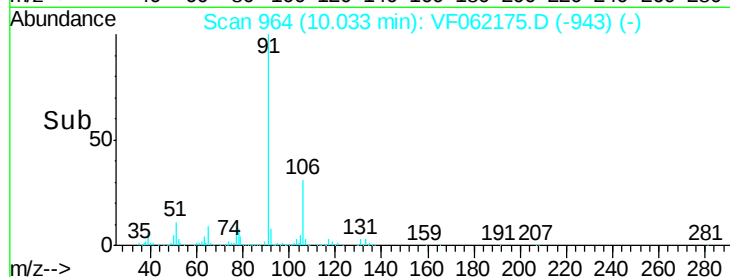
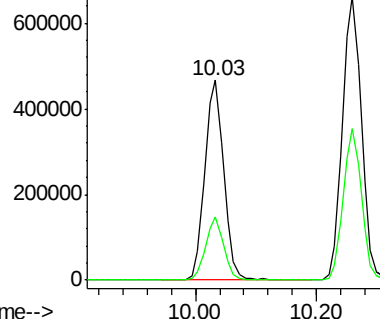
MMDadoda

4/17/2019 11:50:37 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 100.611 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VF062175.D

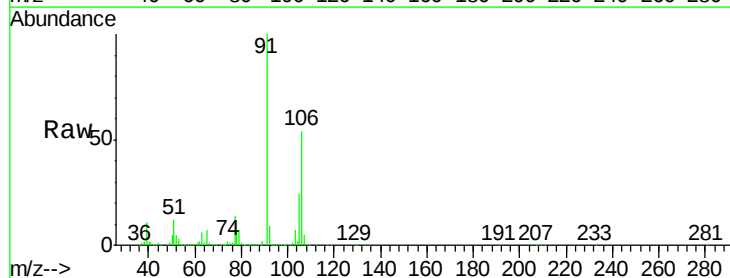
Acq: 16 Apr 2019 14:40

Tgt Ion: 106 Resp: 748251

Ion Ratio Lower Upper

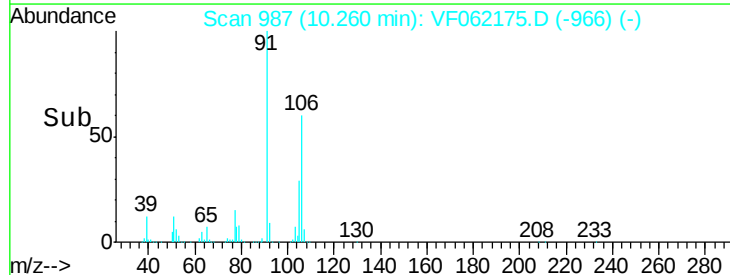
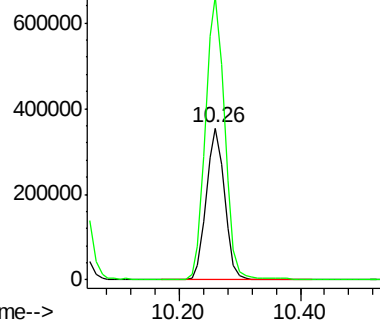
106 100

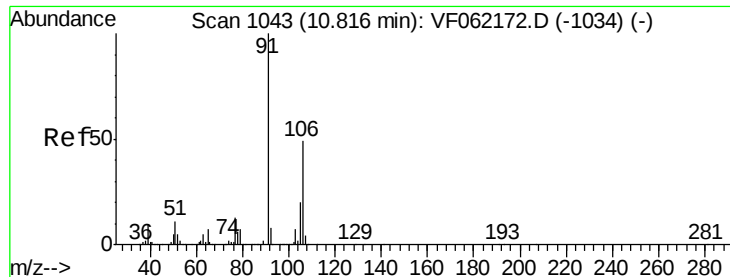
91 186.1 151.7 227.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





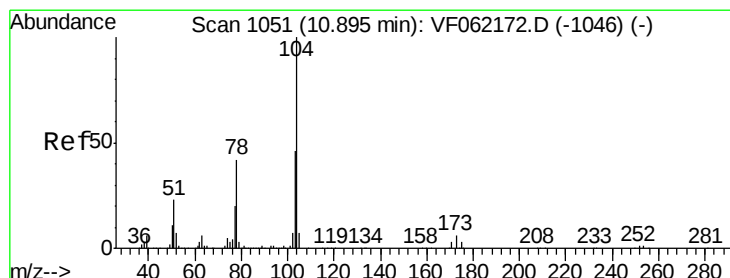
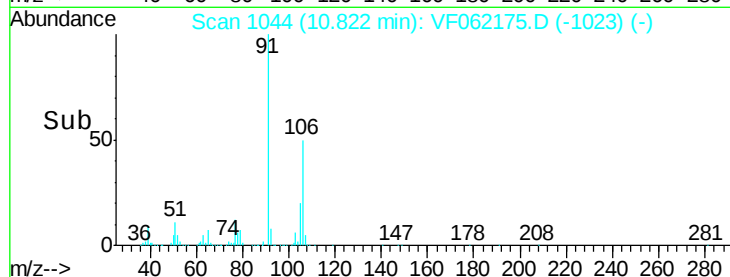
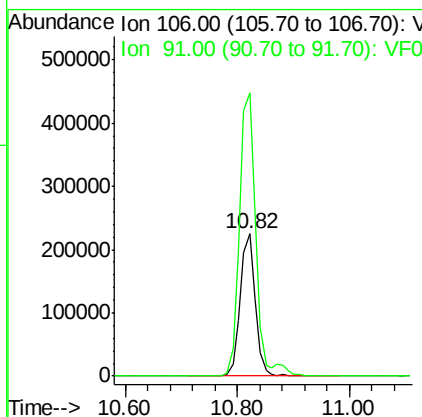
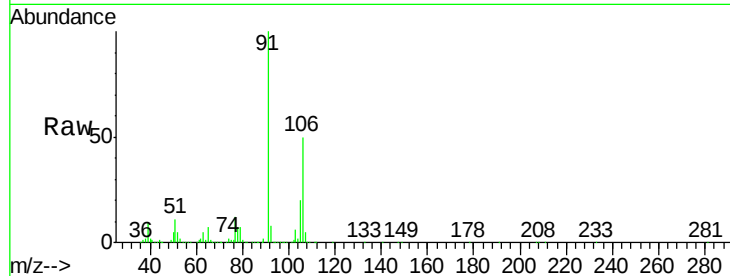
#69
o-Xylene
Concen: 51.845 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion:106 Resp: 417450
Ion Ratio Lower Upper
106 100
91 198.6 101.9 305.7

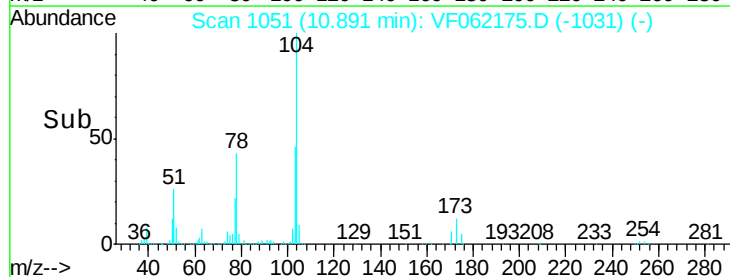
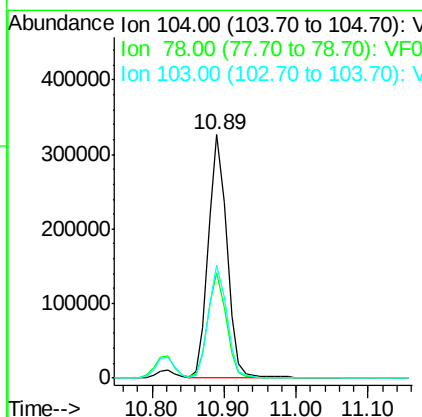
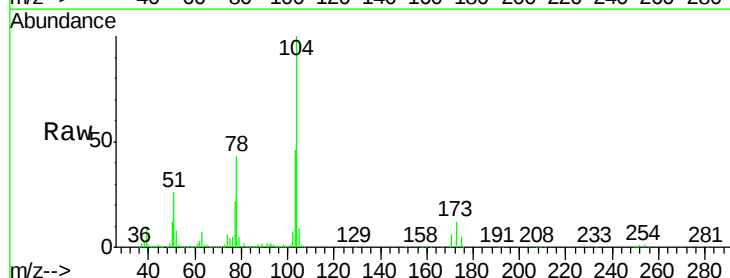
Manual Integrations
APPROVED

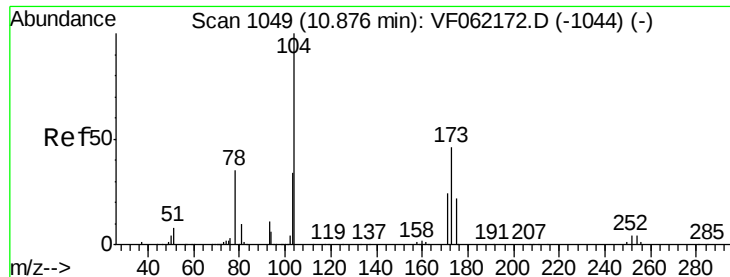
MMDadoda
4/17/2019 11:50:37 AM



#70
Styrene
Concen: 49.355 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion:104 Resp: 577945
Ion Ratio Lower Upper
104 100
78 43.3 33.7 50.5
103 46.3 37.2 55.8





#71

Bromoform

Concen: 48.915 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

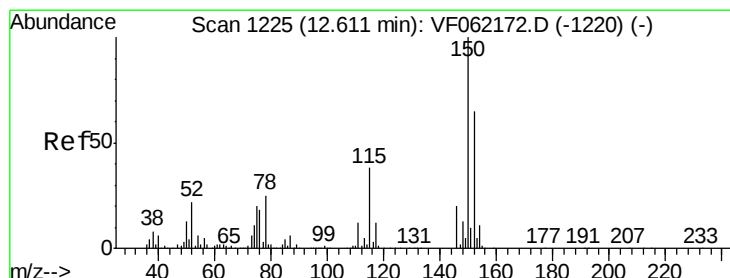
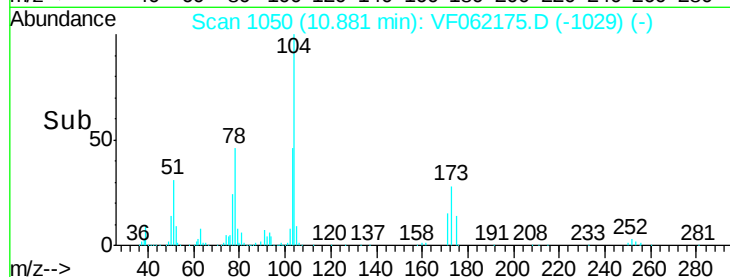
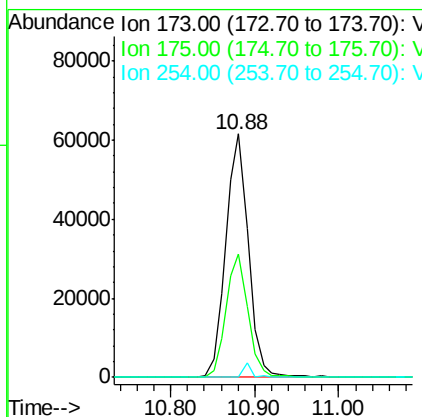
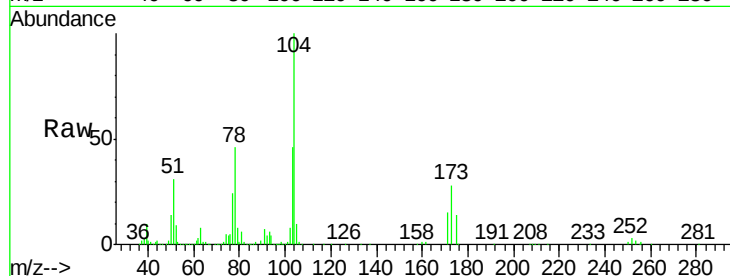
ClientSampleId :

ICVVF041619

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.3	72.8
254	0.0	6.6	9.8#

Manual Integrations
APPROVED

MMDadoda
4/17/2019 11:50:37 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

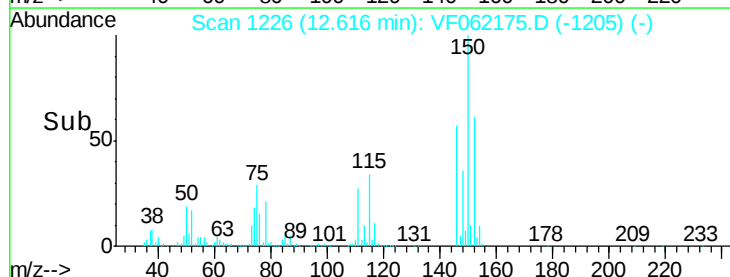
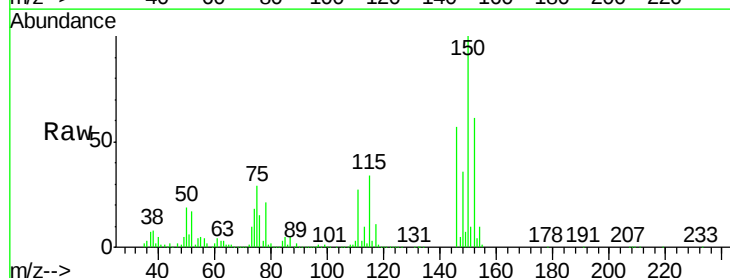
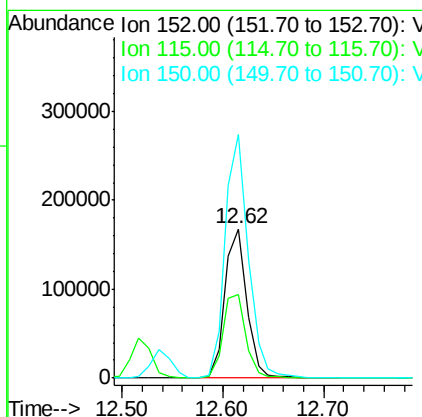
RT: 12.62 min Scan# 1226

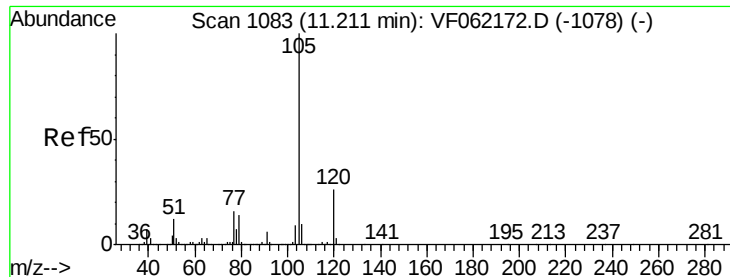
Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	29.0	87.1
150	163.0	0.0	309.2





#73

Isopropylbenzene

Concen: 52.395 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion:105 Resp: 1150322

Ion Ratio Lower Upper

105 100

120 27.0

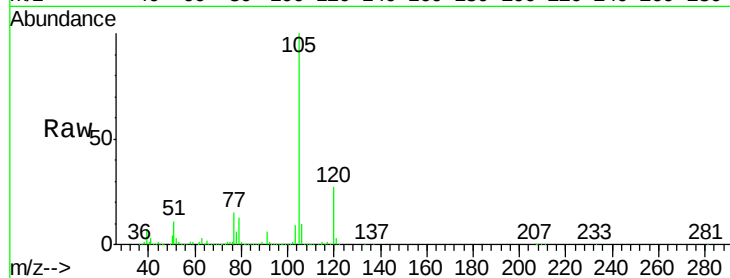
13.0

38.9

Manual Integrations
APPROVED

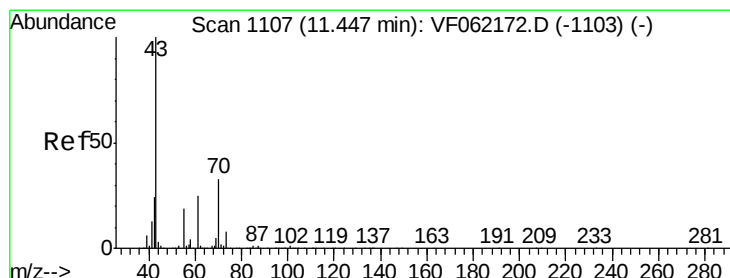
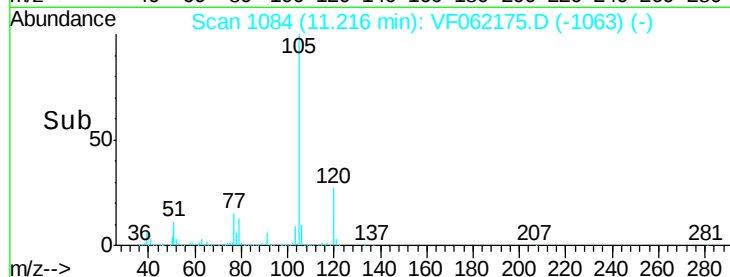
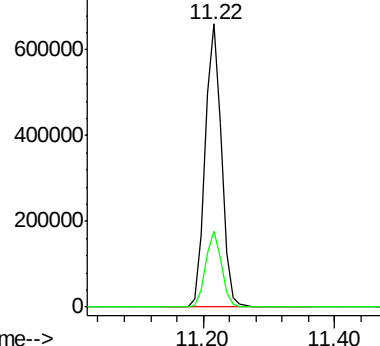
MMDadoda

4/17/2019 11:50:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.902 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion: 43 Resp: 273476

Ion Ratio Lower Upper

43 100

70 34.9 26.6 39.8

55 21.2 15.0 22.6

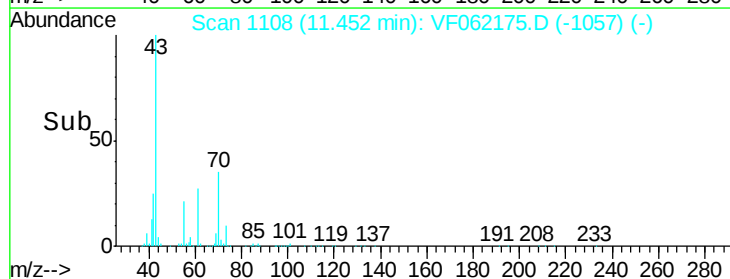
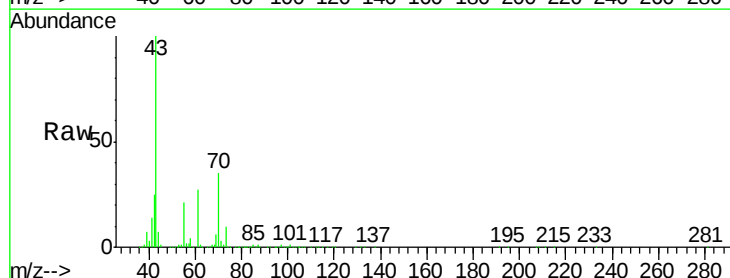
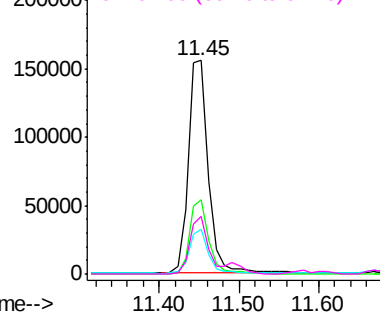
61 26.8 20.0 30.0

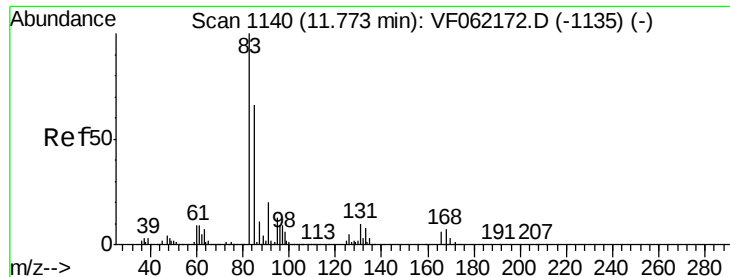
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.559 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

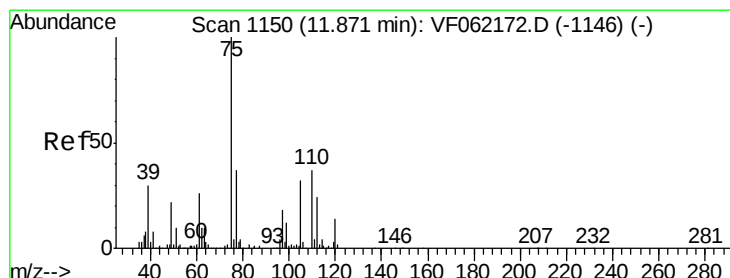
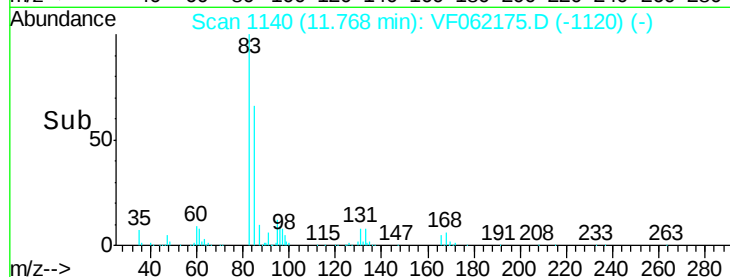
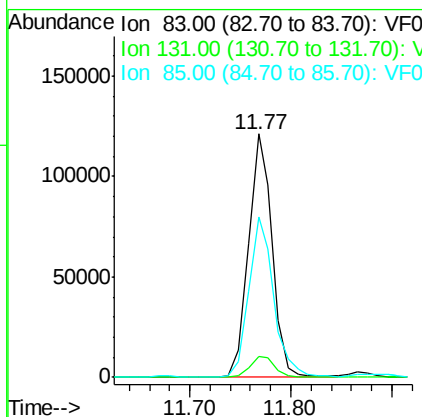
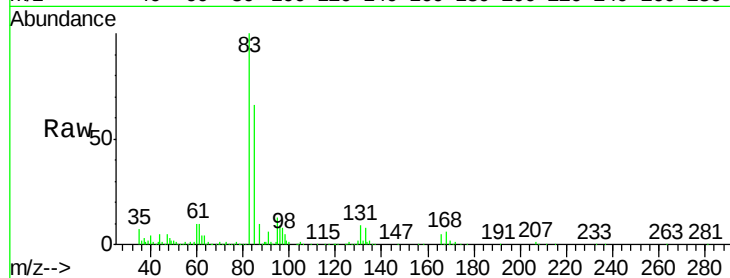
ClientSampleId :

ICVVF041619

Tot Ion:	83	Resp:	197733
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.8	14.4
85	66.0	33.2	99.6

Manual Integrations
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MMDadoda
4/17/2019 11:50:37 AM



#76

1,2,3-Trichloropropane

Concen: 50.460 ug/l

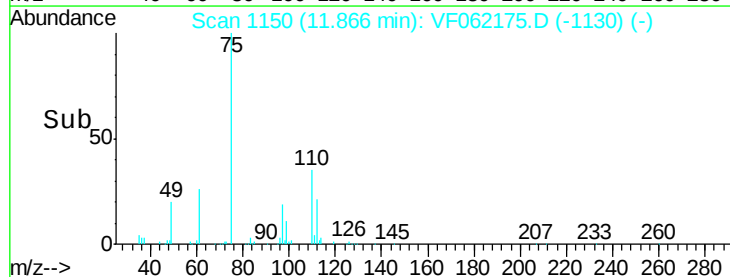
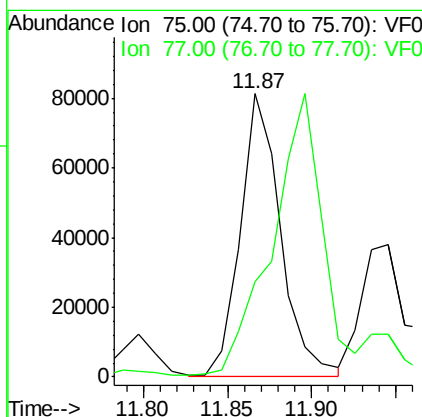
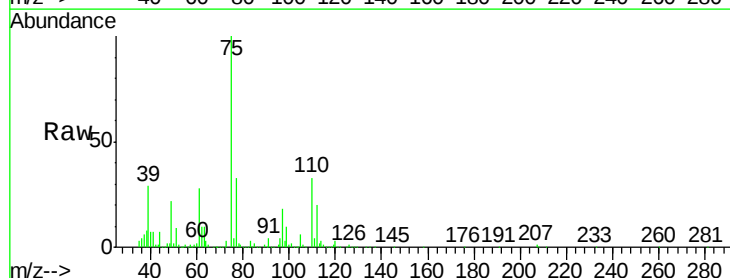
RT: 11.87 min Scan# 1150

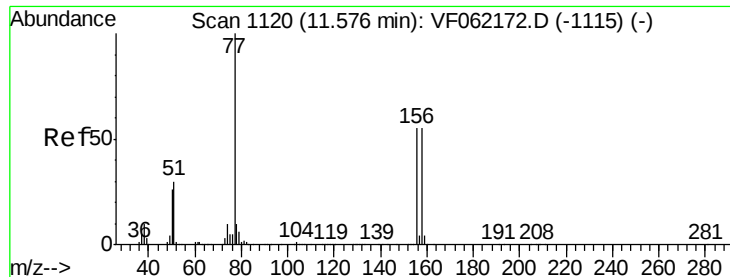
Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion:	75	Resp:	133836
Ion Ratio	Lower	Upper	
75	100		
77	33.5	18.7	56.1





#77

Bromobenzene

Concen: 51.443 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

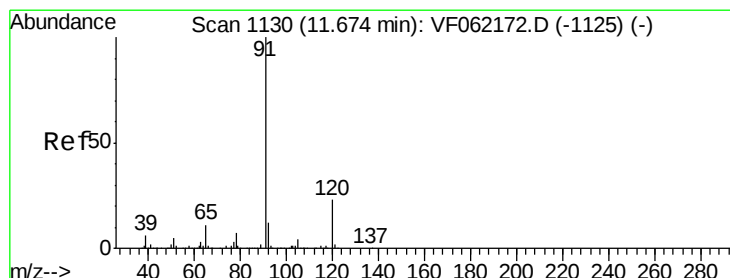
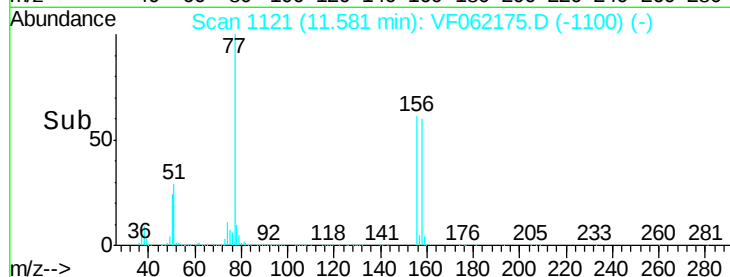
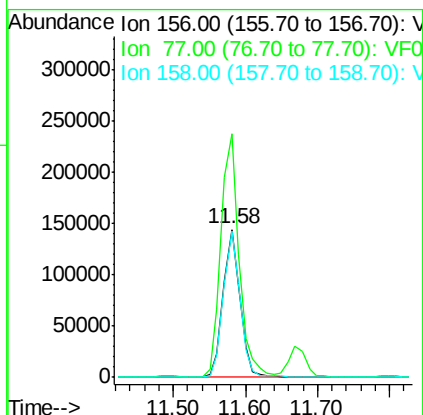
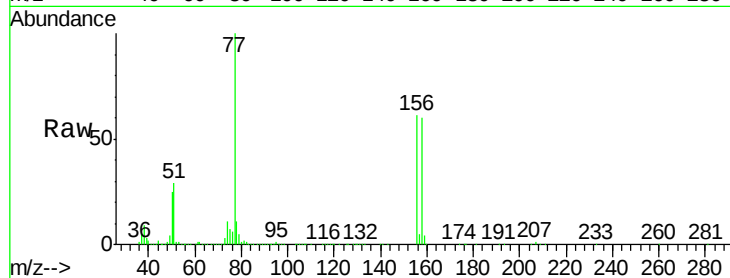
ClientSampleId :

ICVVF041619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		234882		
77	164.6	91.1	273.4		
158	99.1	50.1	150.4		

Manual Integrations
APPROVED

MMDadoda
4/17/2019 11:50:37 AM



#78

n-propylbenzene

Concen: 50.120 ug/l

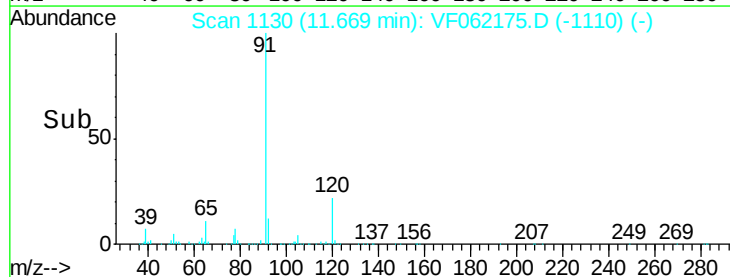
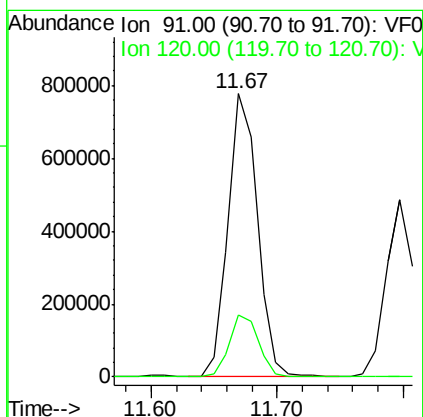
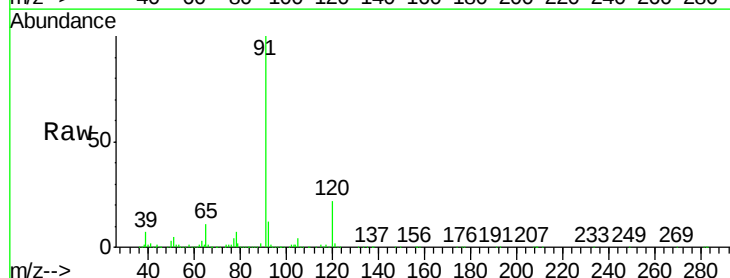
RT: 11.67 min Scan# 1130

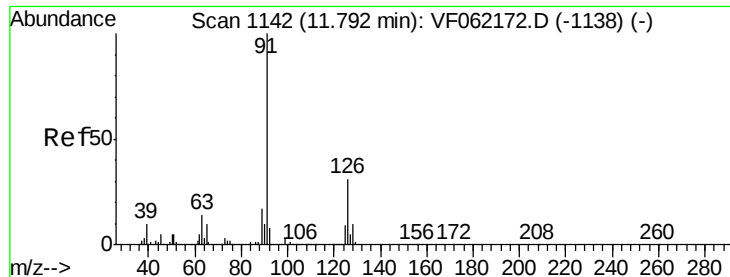
Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1250755		
120	22.0	11.6	34.7		





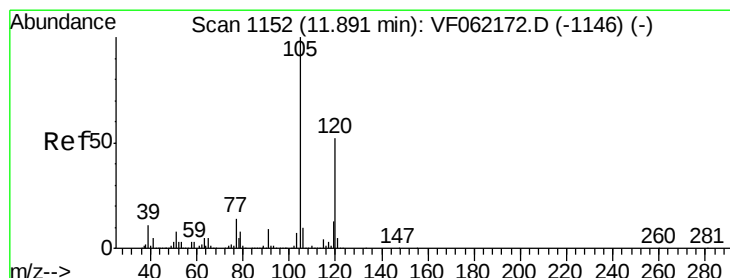
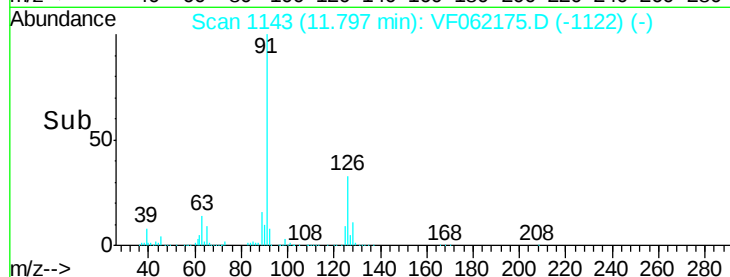
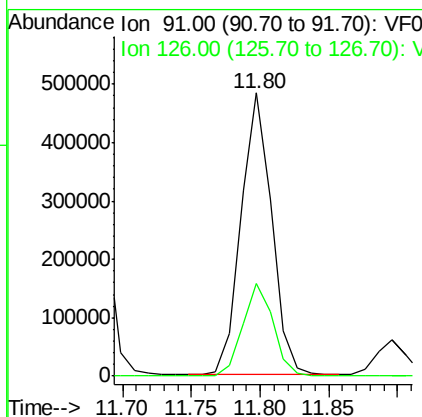
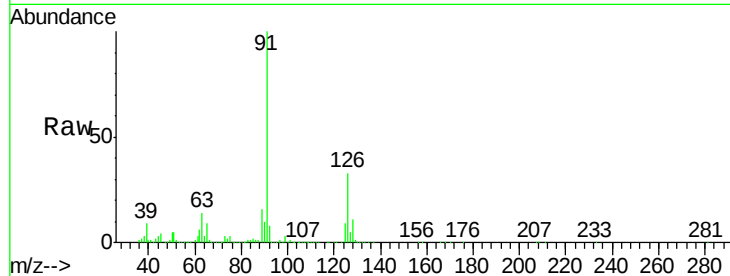
#79
2-Chlorotoluene
Concen: 50.790 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.6	46.8

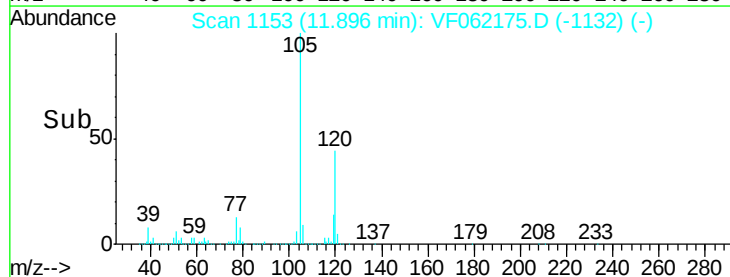
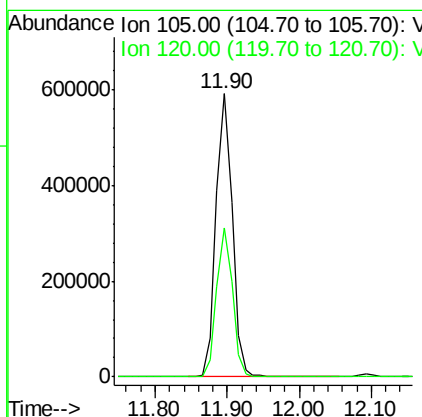
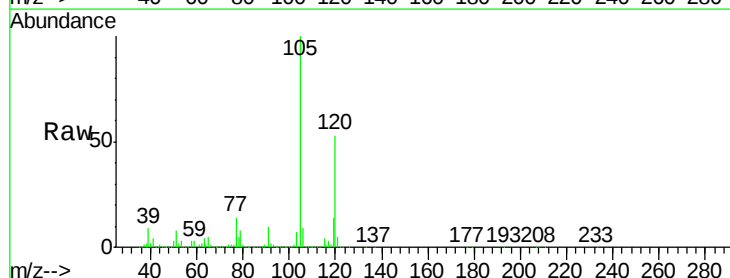
Manual Integrations
APPROVED

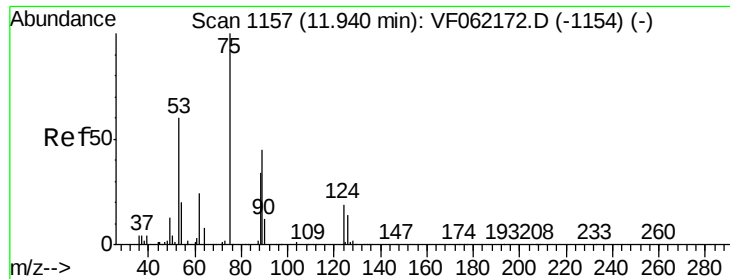
MMDadoda
4/17/2019 11:50:37 AM



#80
1,3,5-Trimethylbenzene
Concen: 49.964 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.8	25.9	77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 51.952 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

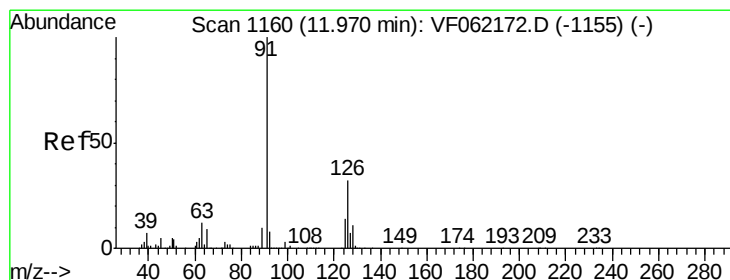
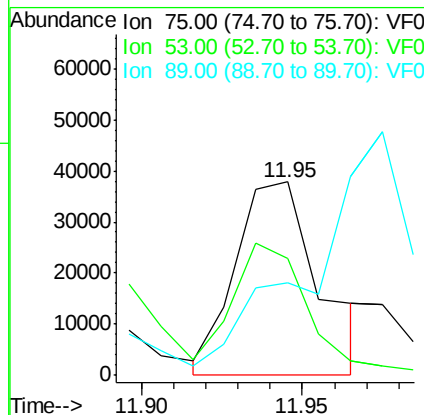
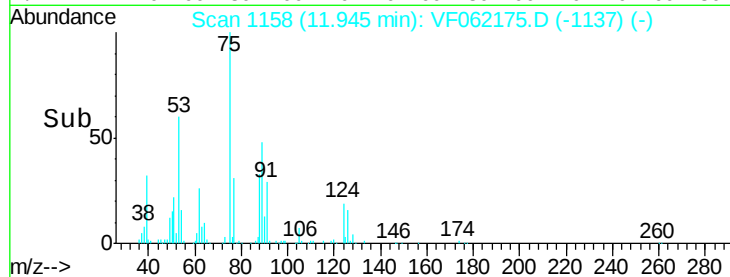
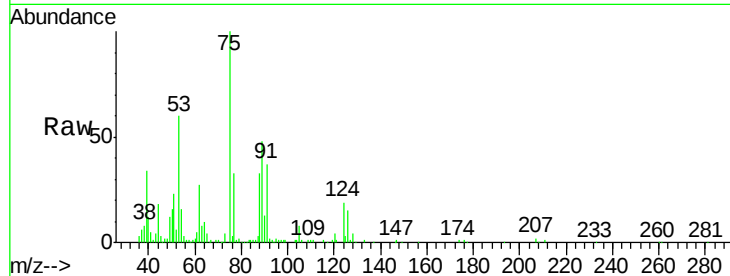
ClientSampleId :

ICVVF041619

Tot Ion:	75	Resp:	68915
Ion Ratio	Lower	Upper	
75	100		
53	60.3	53.4	80.0
89	47.9	38.7	58.1

Manual Integrations
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MMDadoda
4/17/2019 11:50:37 AM



#82

4-Chlorotoluene

Concen: 50.272 ug/l

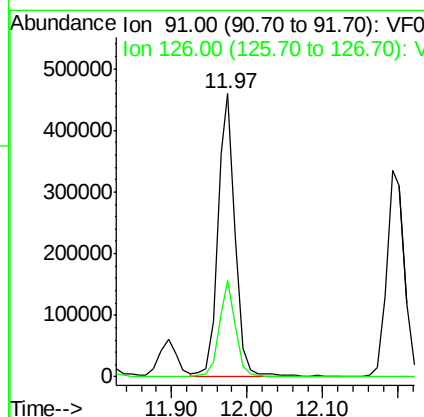
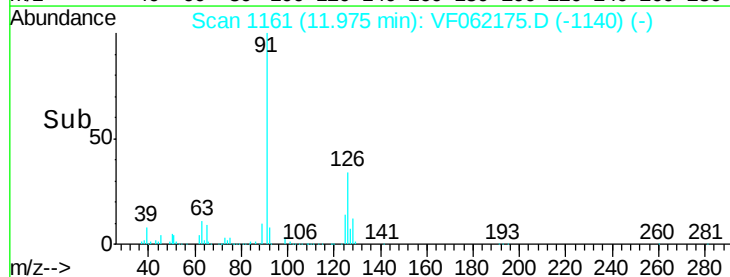
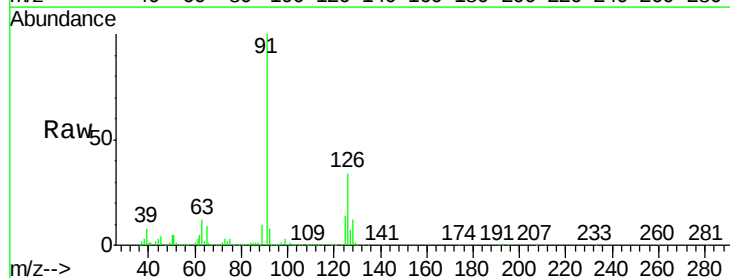
RT: 11.97 min Scan# 1161

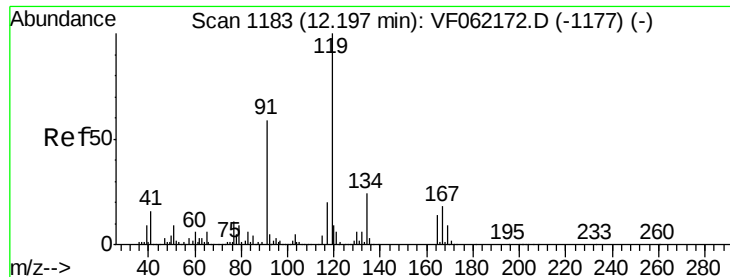
Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Tgt Ion:	91	Resp:	724691
Ion Ratio	Lower	Upper	
91	100		
126	34.0	15.9	47.7





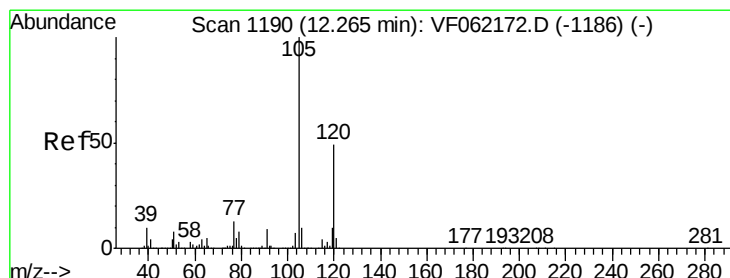
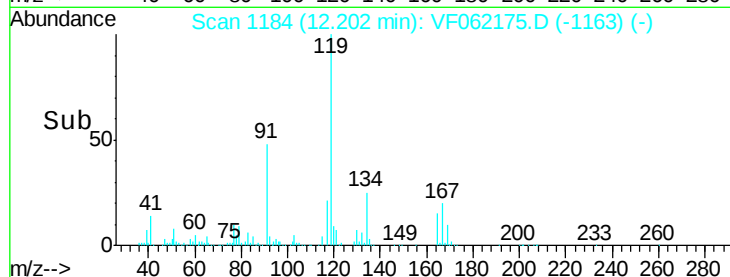
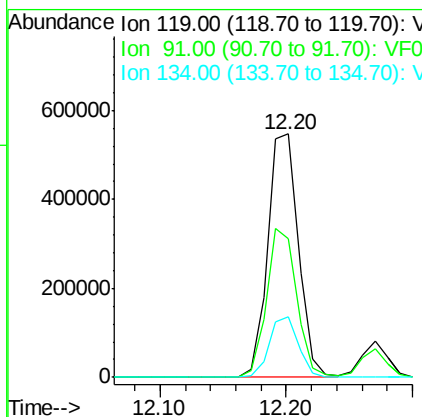
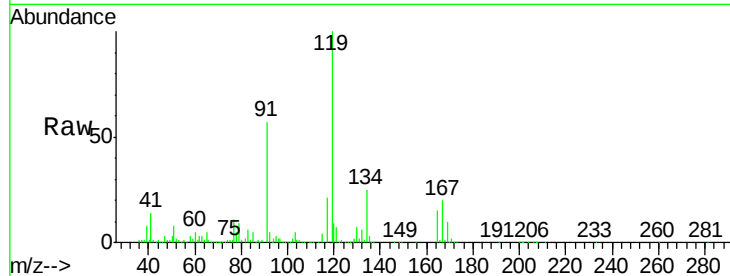
#83
tert-Butylbenzene
Concen: 51.139 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	Ratio	Resp	Lower	Upper
119	100	929808		
91	56.8	29.5	88.5	
134	24.9	12.0	36.1	

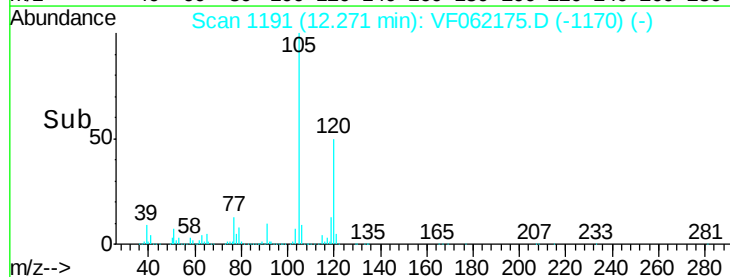
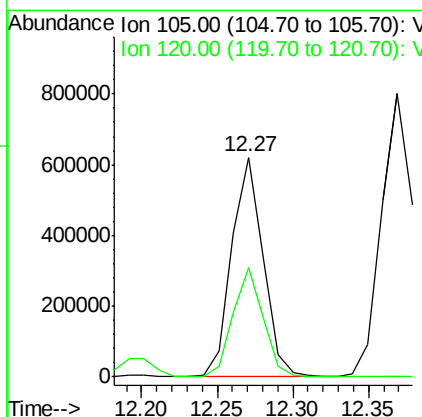
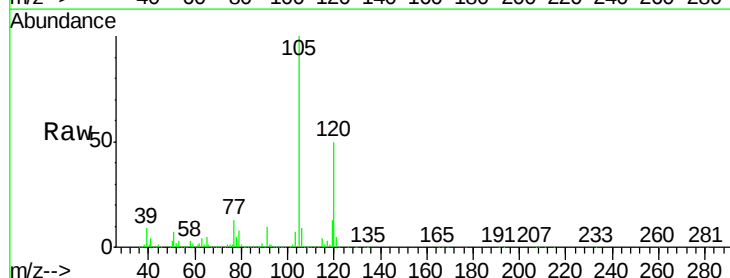
Manual Integrations
APPROVED

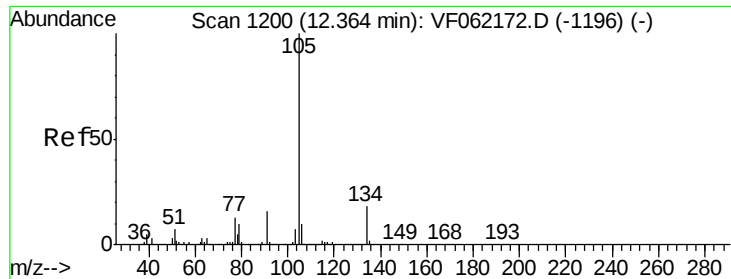
MMDadoda
4/17/2019 11:50:37 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.381 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.01 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	895284		
120	49.8	24.7	74.1	





#85

sec-Butylbenzene

Concen: 49.962 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion:105 Resp: 1194499

Ion Ratio Lower Upper

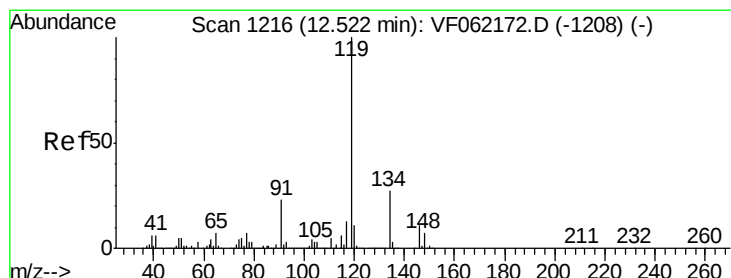
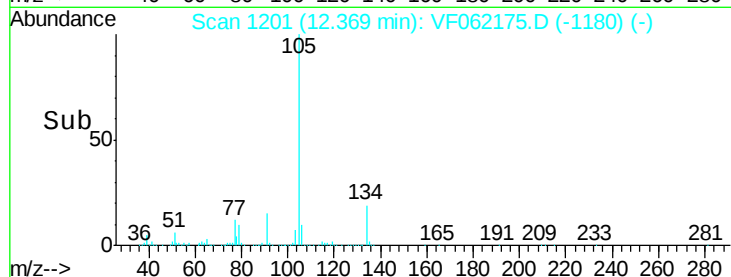
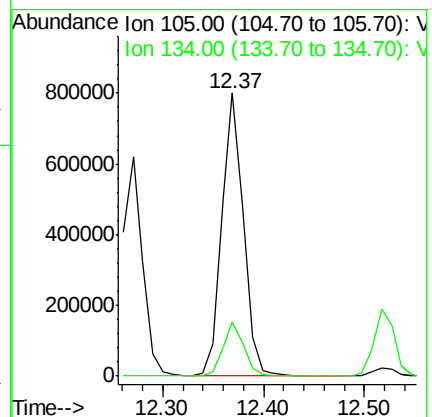
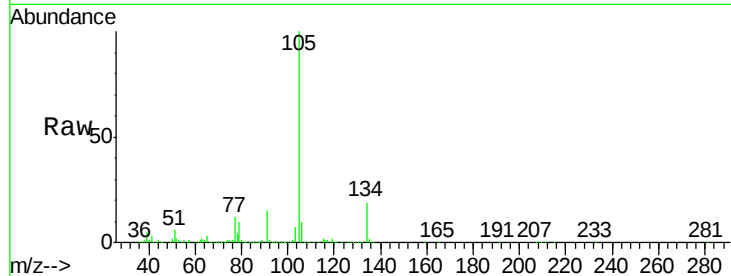
105 100

134 19.2 9.0 27.0

Manual Integrations
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MMDadoda

4/17/2019 11:50:37 AM



#86

p-Isopropyltoluene

Concen: 50.917 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

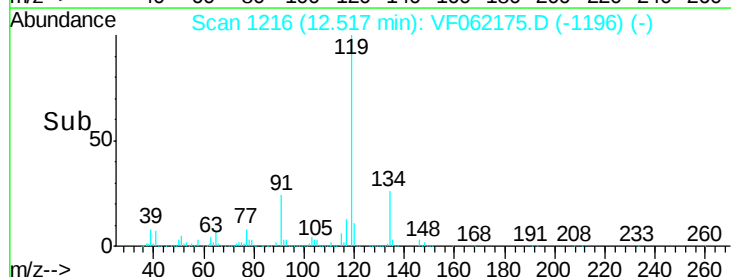
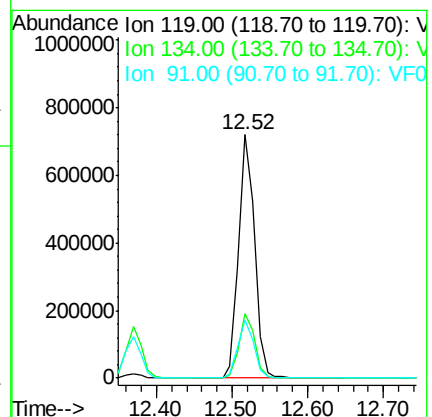
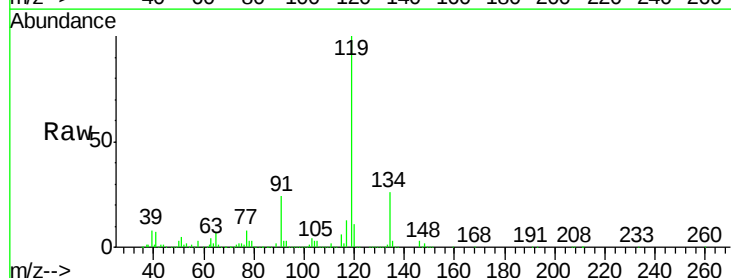
Tgt Ion:119 Resp: 1037093

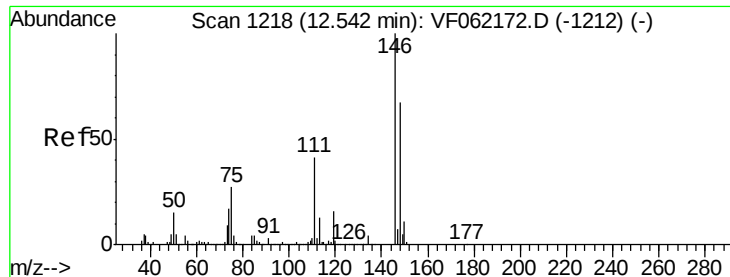
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

91 23.8 11.5 34.5





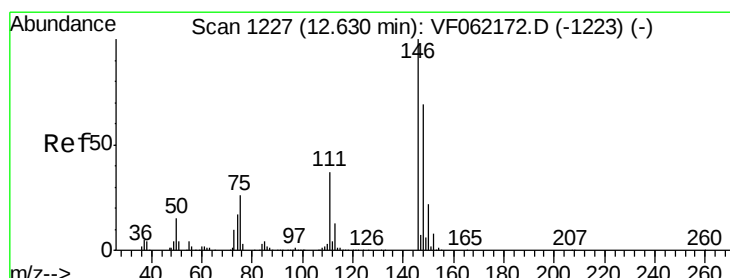
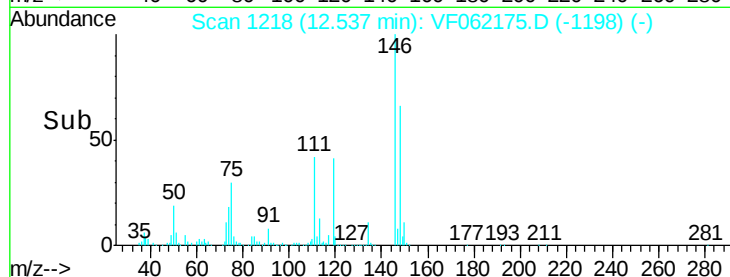
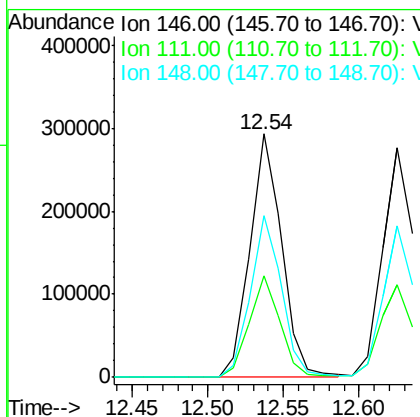
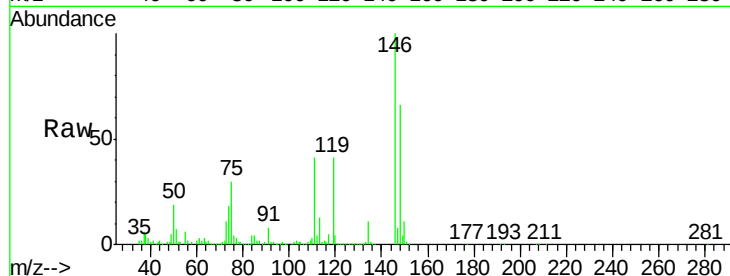
#87
 1,3-Dichlorobenzene
 Concen: 51.684 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	66.4	33.6	100.8

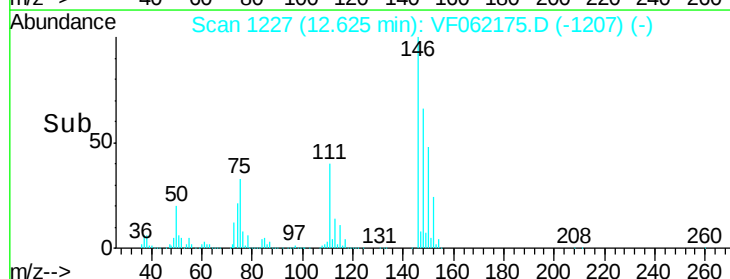
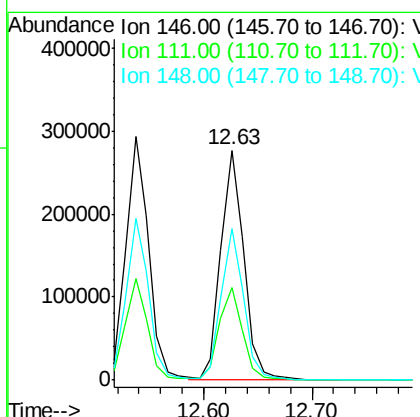
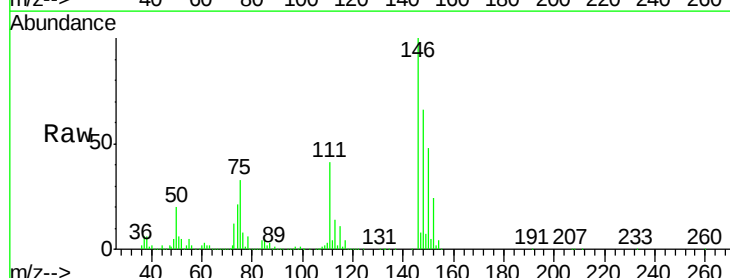
Manual Integrations
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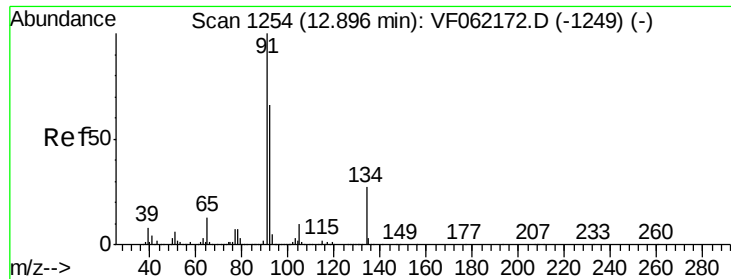
MMDadoda
 4/17/2019 11:50:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.547 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.6	55.6
148	65.9	34.3	102.8





#89

n-Butylbenzene

Concen: 52.933 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062175.D

Acq: 16 Apr 2019 14:40

Instrument :

MSVOA_F

ClientSampleId :

ICVVF041619

Tot Ion: 91 Resp: 1003641

Ion Ratio Lower Upper

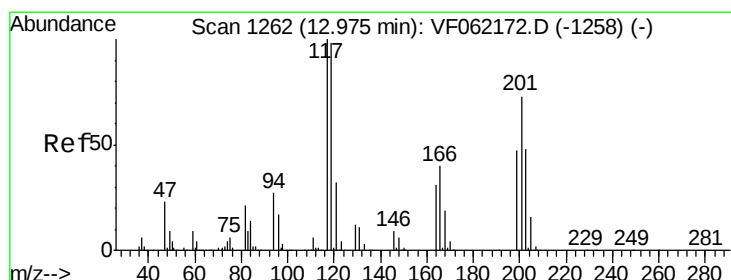
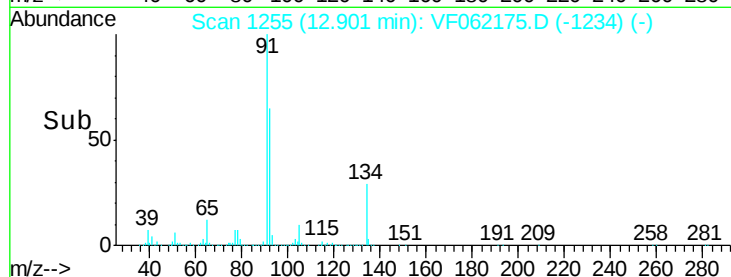
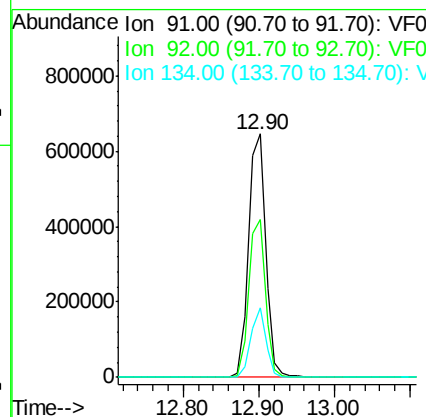
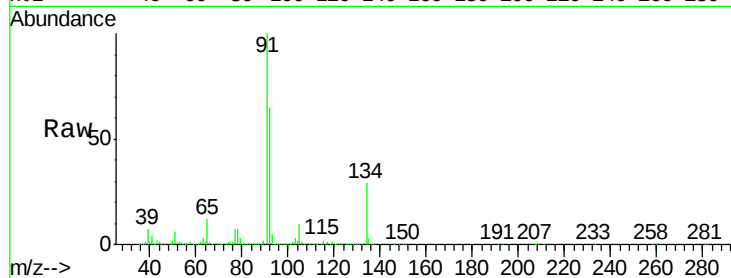
91 100

92 64.6 32.9 98.6

134 28.6 13.4 40.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 11:50:37 AM



#90

Hexachloroethane

Concen: 50.695 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VF062175.D

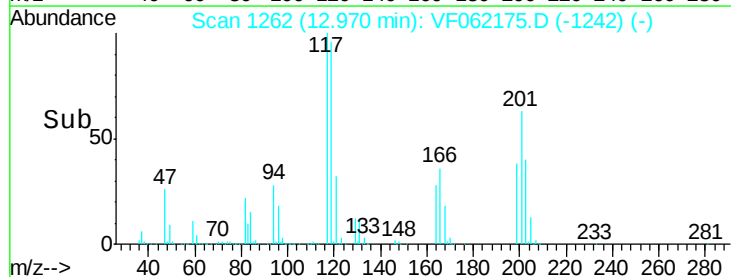
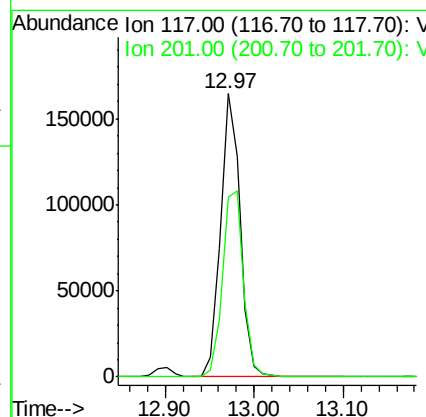
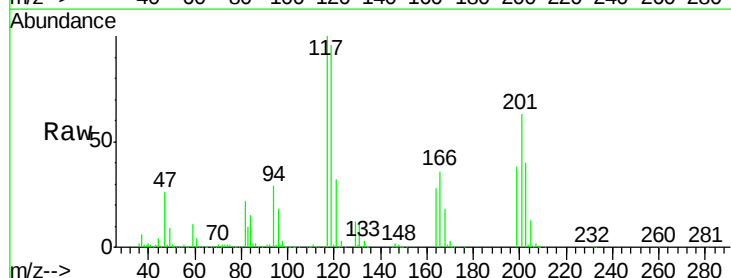
Acq: 16 Apr 2019 14:40

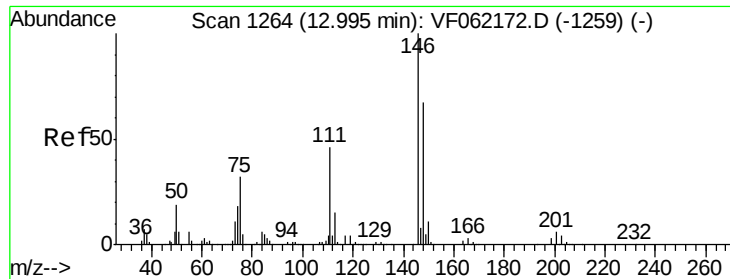
Tgt Ion: 117 Resp: 252931

Ion Ratio Lower Upper

117 100

201 63.4 36.7 110.1





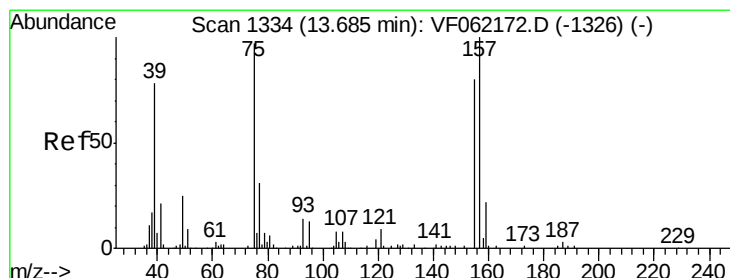
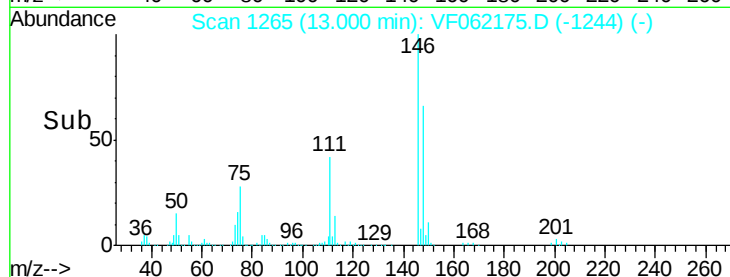
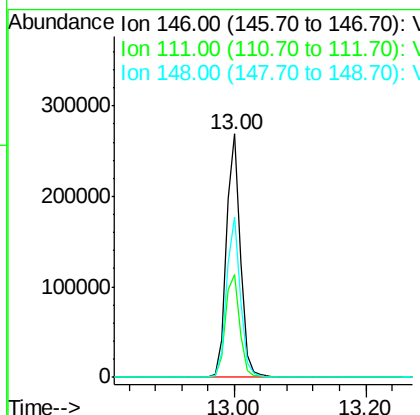
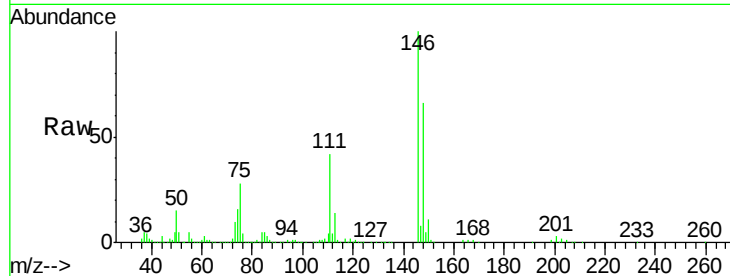
#91
 1,2-Dichlorobenzene
 Concen: 49.711 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF041619

Tot Ion	Ratio	Resp	Lower	Upper
146	100	398521		
111	42.4	22.9	68.8	
148	65.7	33.6	100.6	

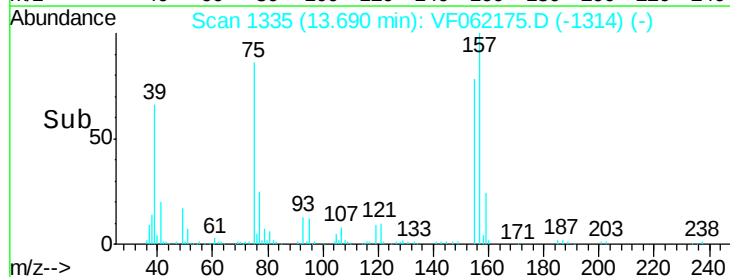
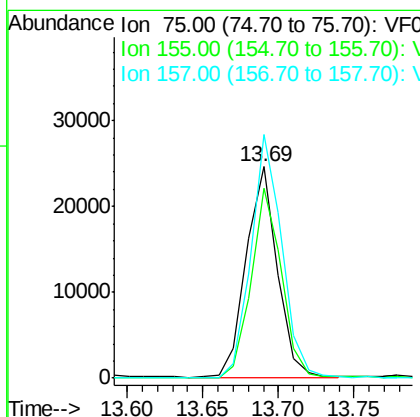
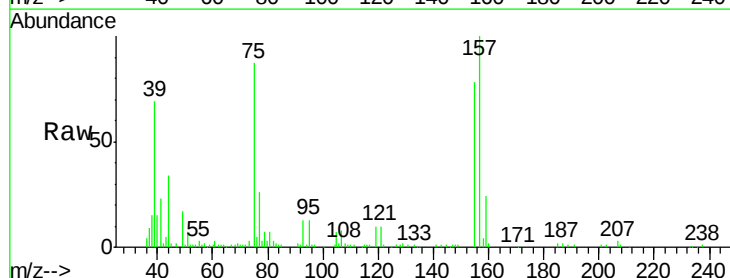
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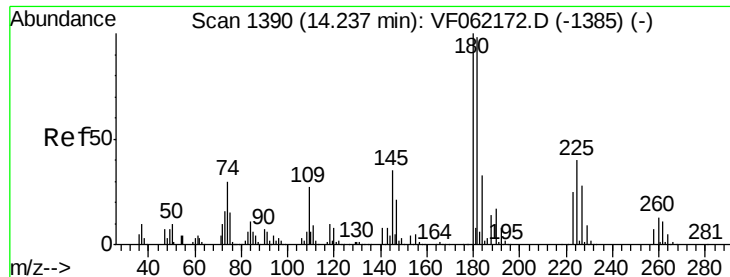
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.483 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34855		
155	89.9	41.0	123.0	
157	115.2	51.3	154.0	





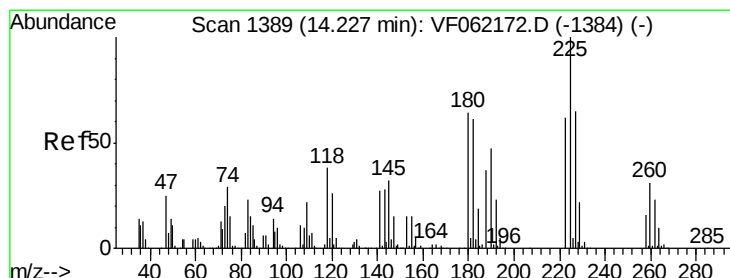
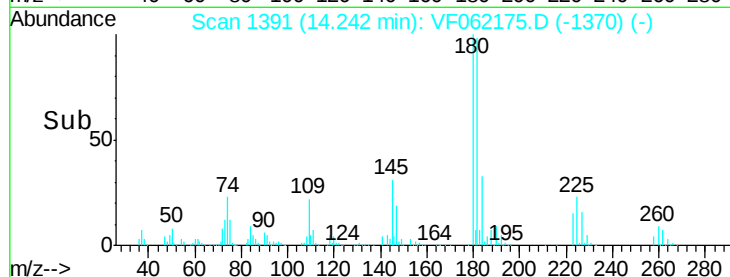
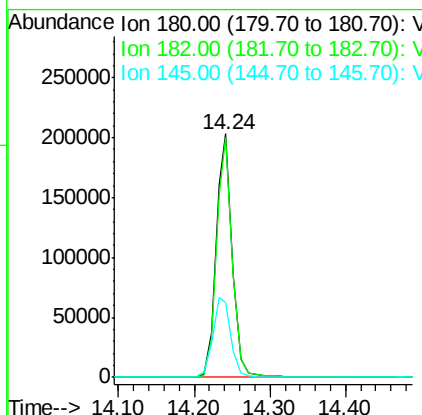
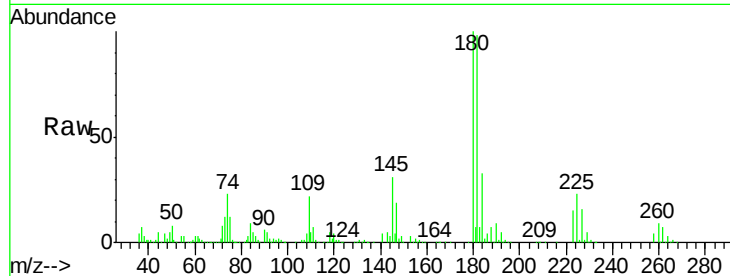
#93
 1,2,4-Trichlorobenzene
 Concen: 50.883 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV041619

Tot Ion	Ratio	Resp	Lower	Upper
180	100	306360		
182	98.3	48.8	146.4	
145	30.7	17.3	52.0	

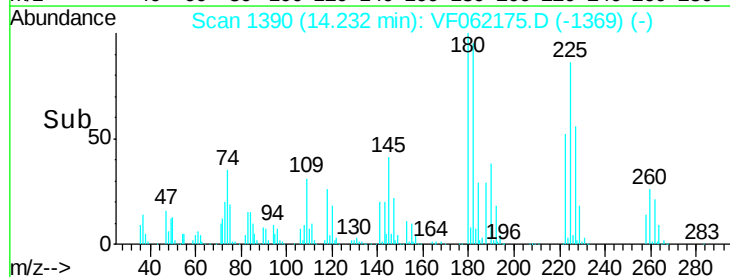
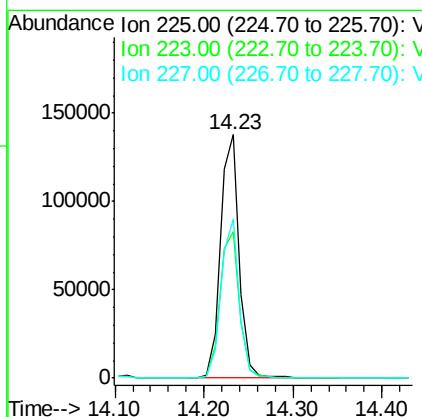
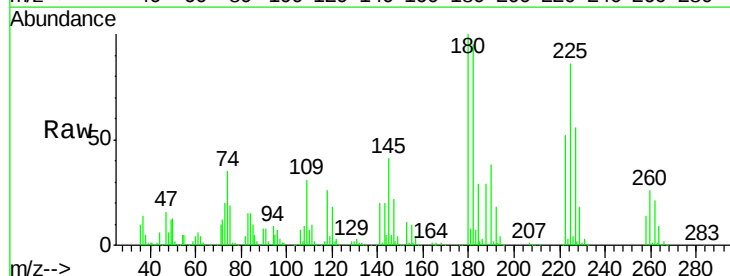
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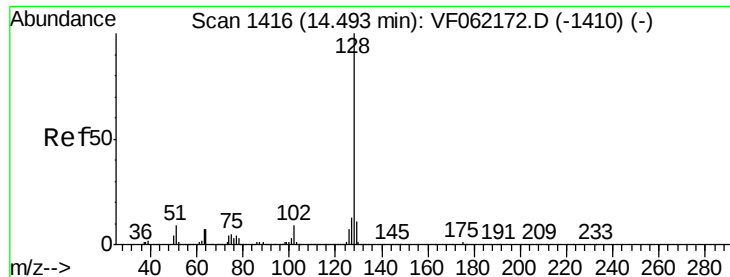
MMDadoda
 4/17/2019 11:50:37 AM



#94
 Hexachlorobutadiene
 Concen: 51.765 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062175.D
 Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	203120		
223	60.3	30.9	92.7	
227	65.2	32.3	96.9	





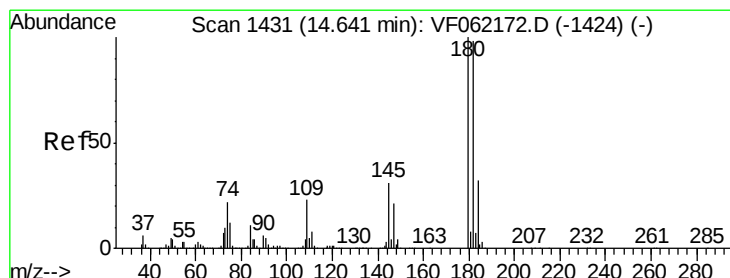
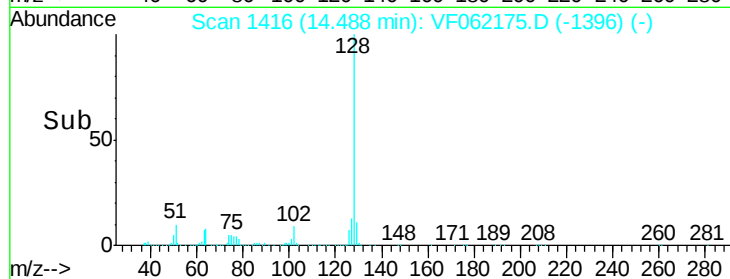
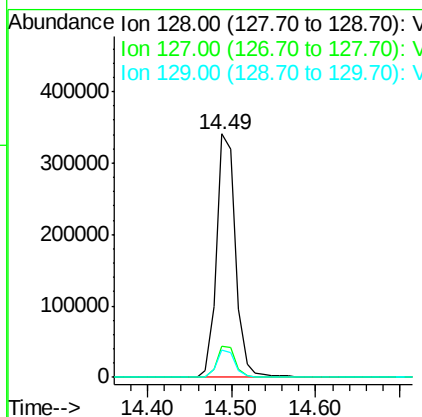
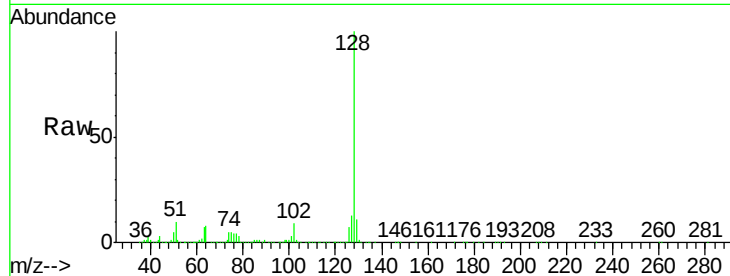
#95
Naphthalene
Concen: 50.680 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Instrument :
MSVOA_F
ClientSampleId :
ICVVF041619

Tot Ion	Ratio	Resp	Lower	Upper
128	100	533108		
127	12.8		10.3	15.5
129	11.1		9.2	13.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.352 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VF062175.D
Acq: 16 Apr 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	282450		
182	97.7		49.0	147.2
145	34.4		15.4	46.2

