

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062171.D
 Acq On : 16 Apr 2019 11:47
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: Apr 17 07:40:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	453212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	682935	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	539609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	293965	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	77864	19.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.14%	
35) Dibromofluoromethane	4.29	113	109459	20.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	40.64%	
50) Toluene-d8	7.71	98	315484	20.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.08%	
62) 4-Bromofluorobenzene	11.49	95	131459	21.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	137574	20.653	ug/l	93
3) Chloromethane	1.13	50	142924	19.961	ug/l	98
4) Vinyl Chloride	1.18	62	126091	20.114	ug/l	98
5) Bromomethane	1.37	94	76160	18.929	ug/l	97
6) Chloroethane	1.44	64	55056	18.563	ug/l	95
7) Trichlorofluoromethane	1.54	101	151183	20.223	ug/l	99
8) Diethyl Ether	1.70	74	30309	20.097	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.91	101	96887	19.800	ug/l	100
10) Methyl Iodide	1.98	142	179702	19.701	ug/l	97
11) Tert butyl alcohol	2.69	59	23928	105.723	ug/l #	79
12) 1,1-Dichloroethene	1.86	96	100748	20.245	ug/l	98
13) Acrolein	2.10	56	19435	110.130	ug/l	91
14) Allyl chloride	2.20	41	139799	18.657	ug/l	99
15) Acrylonitrile	3.08	53	89807	107.764	ug/l	94
16) Acetone	2.34	43	80317	87.246	ug/l	95
17) Carbon Disulfide	1.89	76	275810	19.488	ug/l	96
18) Methyl Acetate	2.45	43	40681	18.625	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	163061	19.699	ug/l	100
20) Methylene Chloride	2.28	84	102507m	19.434	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	93483	19.634	ug/l	95
22) Diisopropyl ether	2.93	45	272156	19.539	ug/l	96
23) Vinyl Acetate	3.34	43	732662	105.452	ug/l	100
24) 1,1-Dichloroethane	3.00	63	155372	20.032	ug/l	100
25) 2-Butanone	4.52	43	198947	100.572	ug/l	97
26) 2,2-Dichloropropane	3.77	77	84810	20.788	ug/l	98
27) cis-1,2-Dichloroethene	3.64	96	127794	20.220	ug/l	95
28) Bromochloromethane	3.90	49	80408	21.650	ug/l	95
29) Tetrahydrofuran	4.27	42	89500	101.752	ug/l	99
30) Chloroform	4.05	83	194721	20.193	ug/l	99
31) Cyclohexane	3.87	56	203260	20.300	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	133276	20.268	ug/l	99
36) 1,1-Dichloropropene	4.47	75	158569	20.898	ug/l	98
37) Ethyl Acetate	4.29	43	74310	21.254	ug/l	97
38) Carbon Tetrachloride	4.18	117	133970	20.187	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	193939	20.396	ug/l	93
40) Benzene	4.82	78	401237	20.018	ug/l	98
41) Methacrylonitrile	4.93	41	42670	20.311	ug/l	96
42) 1,2-Dichloroethane	5.12	62	100989	19.907	ug/l	97
43) Isopropyl Acetate	7.11	43	78984	19.438	ug/l #	99
44) Trichloroethene	5.68	130	112477	20.966	ug/l	94
45) 1,2-Dichloropropane	6.40	63	98400	20.012	ug/l	97
46) Dibromomethane	6.26	93	61531	20.752	ug/l	99
47) Bromodichloromethane	6.55	83	137372	20.450	ug/l	99
48) Methyl methacrylate	6.88	41	51493	19.469	ug/l	95
49) 1,4-Dioxane	6.87	88	8704	422.310	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	347693	111.696	ug/l	99
52) Toluene	7.77	92	242032	20.555	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	123083	21.154	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	147571	19.946	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	70138	20.798	ug/l	97
56) Ethyl methacrylate	8.75	69	85754	21.385	ug/l	98
57) 1,3-Dichloropropane	9.00	76	112825	20.350	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	103907	100.569	ug/l	97
59) 2-Hexanone	9.62	43	195243	98.554	ug/l	94
60) Dibromochloromethane	8.86	129	97354	20.982	ug/l	98
61) 1,2-Dibromoethane	9.12	107	72227	20.019	ug/l	100
64) Tetrachloroethene	8.30	164	93384	21.189	ug/l	97
65) Chlorobenzene	9.93	112	229862	20.477	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	100282	21.639	ug/l	98
67) Ethyl Benzene	10.02	91	438092	21.054	ug/l	96
68) m/p-Xylenes	10.26	106	315244	41.147	ug/l	89
69) o-Xylene	10.82	106	176218	21.249	ug/l	96
70) Styrene	10.89	104	249262	20.676	ug/l	100
71) Bromoform	10.88	173	50908	20.976	ug/l	99
73) Isopropylbenzene	11.21	105	503632	19.887	ug/l	98
74) N-amyl acetate	11.45	43	130905	19.831	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	89891	19.925	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	58669	19.193	ug/l	95
77) Bromobenzene	11.58	156	102265	19.417	ug/l	86
78) n-propylbenzene	11.67	91	585113	20.326	ug/l	92
79) 2-Chlorotoluene	11.80	91	340065	20.041	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	417915	19.786	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	29355m	17.846	ug/l	
82) 4-Chlorotoluene	11.97	91	325242	19.559	ug/l	97
83) tert-Butylbenzene	12.19	119	419745	20.013	ug/l	93
84) 1,2,4-Trimethylbenzene	12.27	105	412101	20.104	ug/l	96
85) sec-Butylbenzene	12.37	105	542970	19.688	ug/l	100
86) p-Isopropyltoluene	12.52	119	469225	19.971	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	186397	19.344	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	191044	20.335	ug/l	97
89) n-Butylbenzene	12.89	91	483127	20.545	ug/l	92
90) Hexachloroethane	12.97	117	111804	19.426	ug/l	91
91) 1,2-Dichlorobenzene	13.00	146	182224	19.705	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	14402	17.725	ug/l	87

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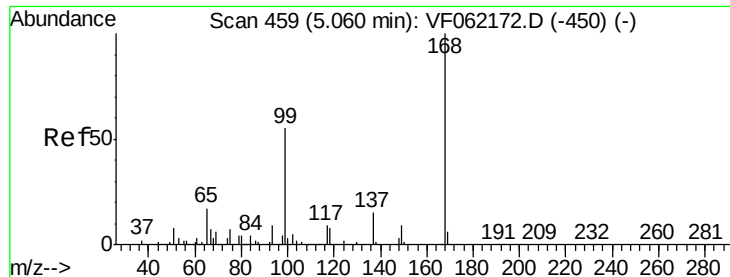
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	137950	19.862	ug/l	92
94) Hexachlorobutadiene	14.23	225	89135	19.693	ug/l	98
95) Naphthalene	14.49	128	233424	19.237	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	126504	19.550	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 453212

Ion Ratio Lower Upper

168 100

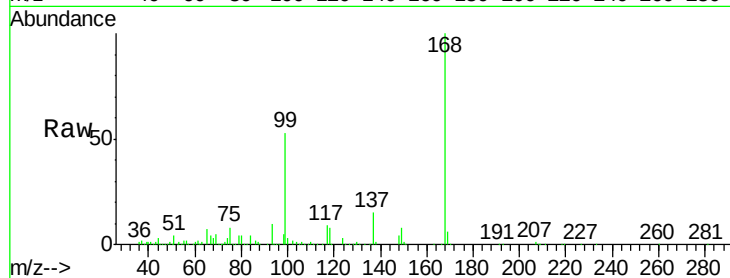
99 53.4 44.2 66.4

Manual Integrations

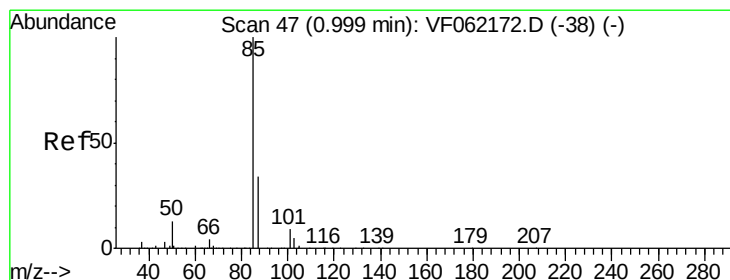
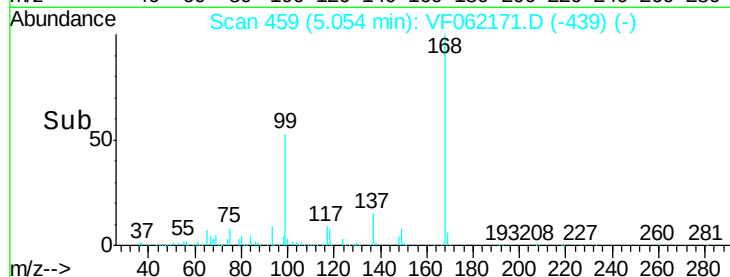
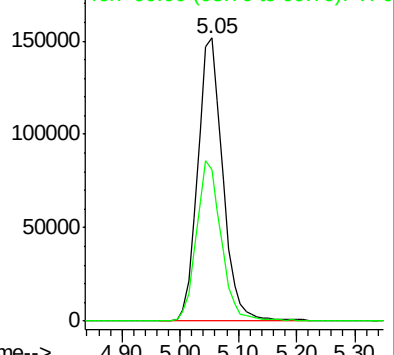
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Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.653 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062171.D

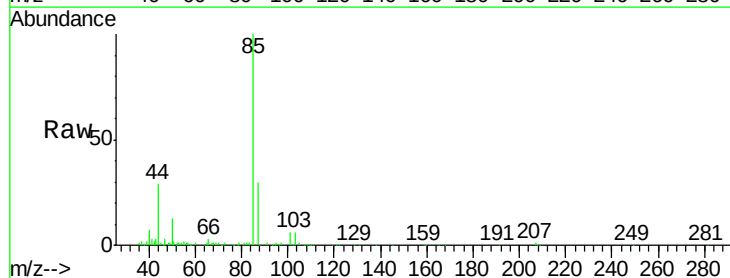
Acq: 16 Apr 2019 11:47

Tgt Ion: 85 Resp: 137574

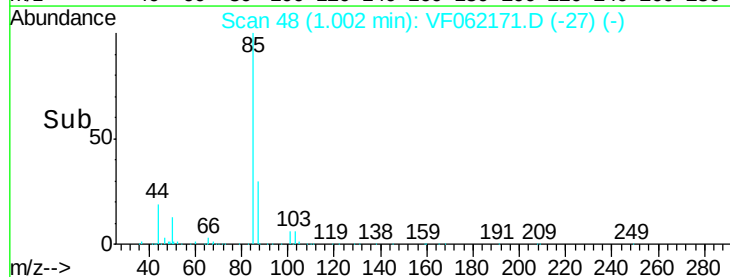
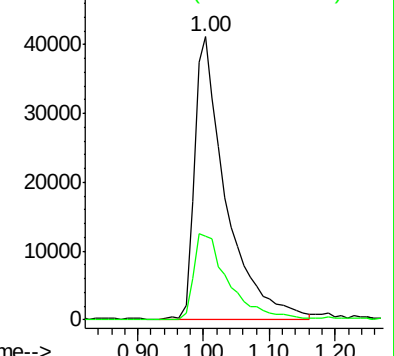
Ion Ratio Lower Upper

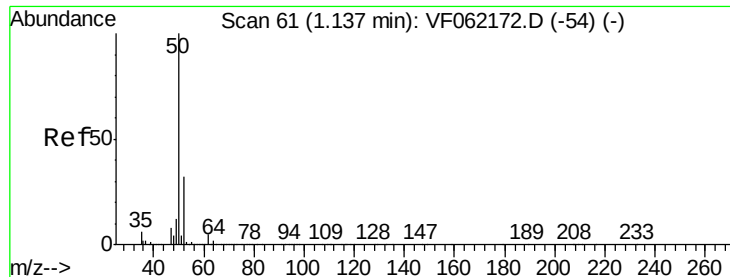
85 100

87 29.7 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 19.961 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 142924

Ion Ratio Lower Upper

50 100

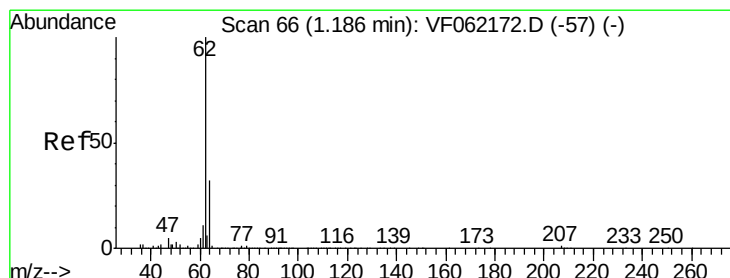
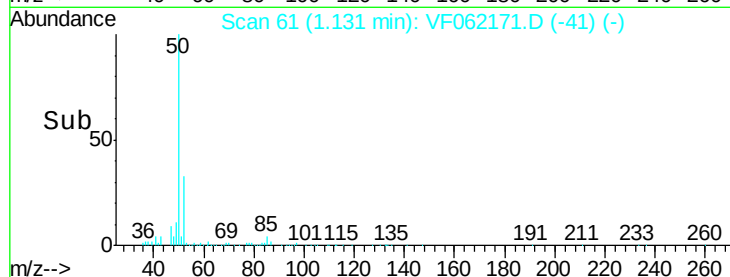
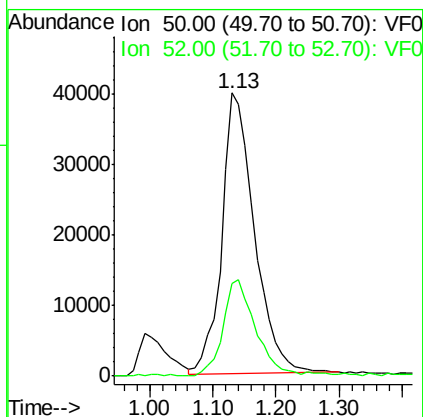
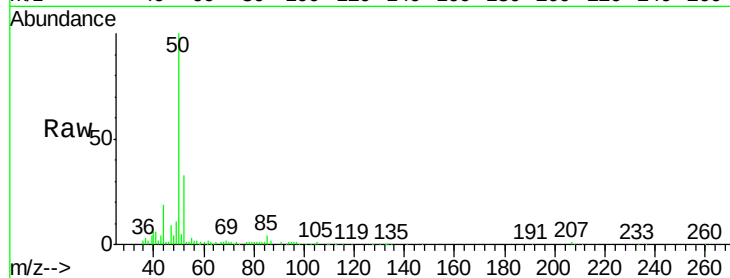
52 32.9 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.114 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062171.D

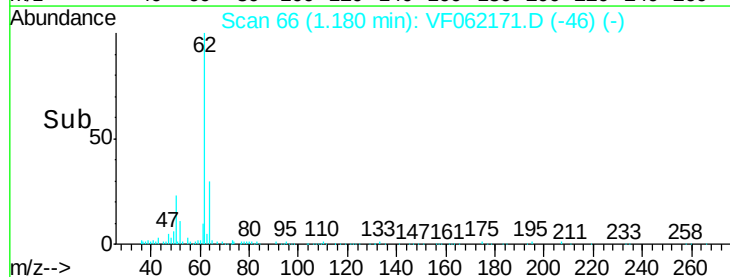
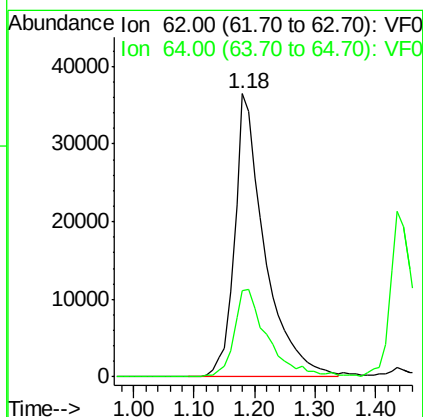
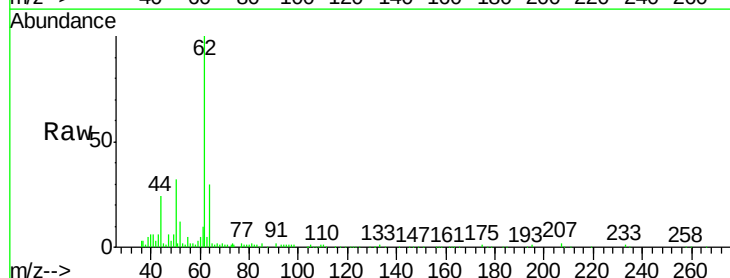
Acq: 16 Apr 2019 11:47

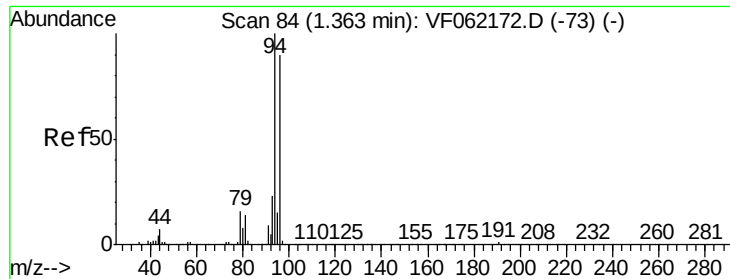
Tgt Ion: 62 Resp: 126091

Ion Ratio Lower Upper

62 100

64 30.4 25.4 38.0





#5

Bromomethane

Concen: 18.929 ug/l

RT: 1.37 min Scan# 85

Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 76160

Ion Ratio Lower Upper

94 100

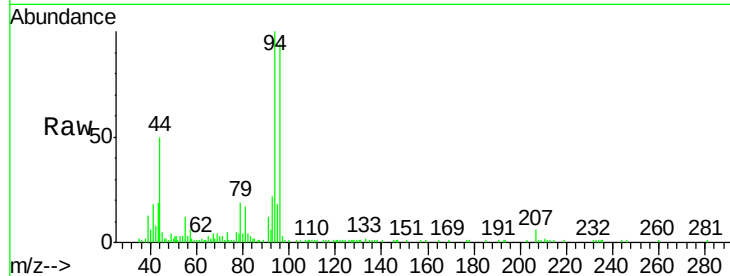
96 93.7 72.3 108.5

Manual Integrations

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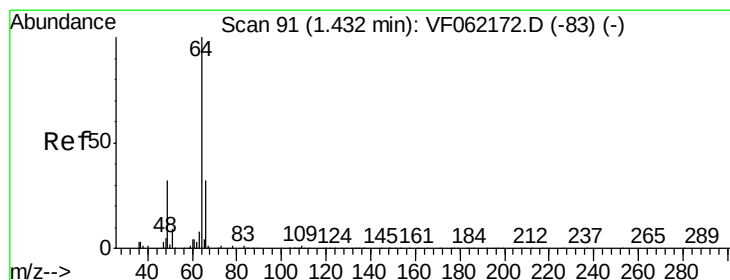
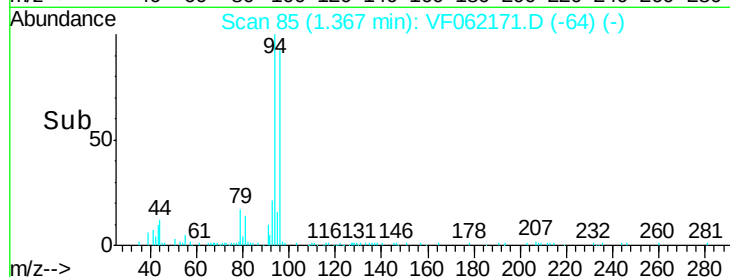
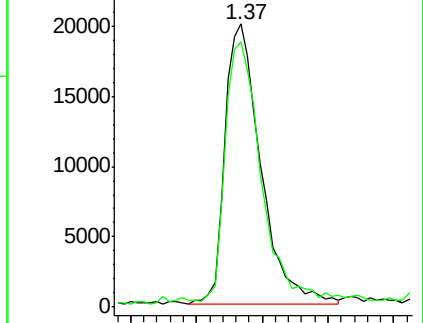
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 18.563 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062171.D

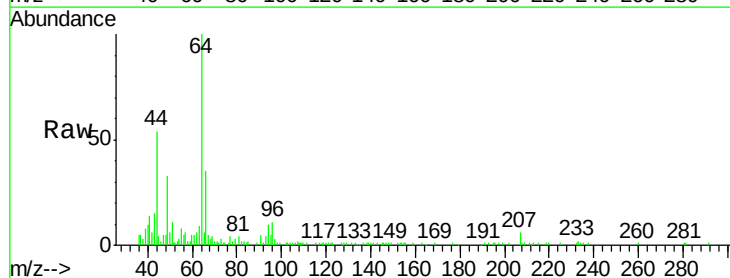
Acq: 16 Apr 2019 11:47

Tgt Ion: 64 Resp: 55056

Ion Ratio Lower Upper

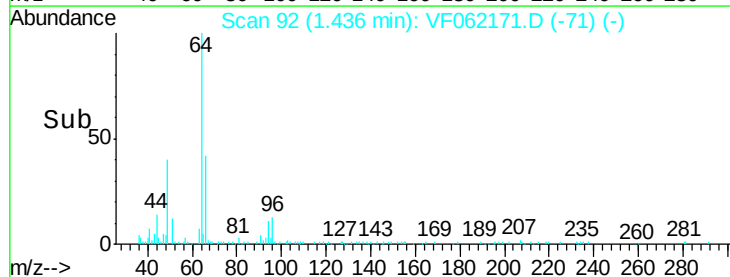
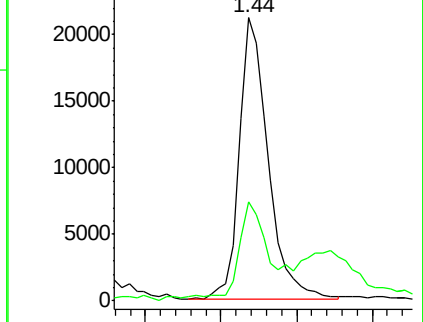
64 100

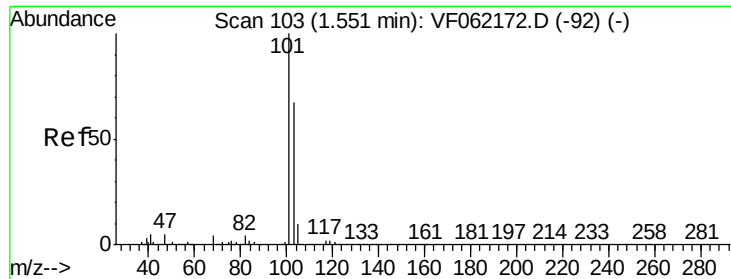
66 34.9 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

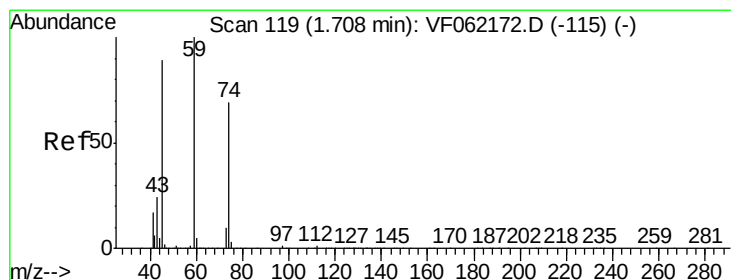
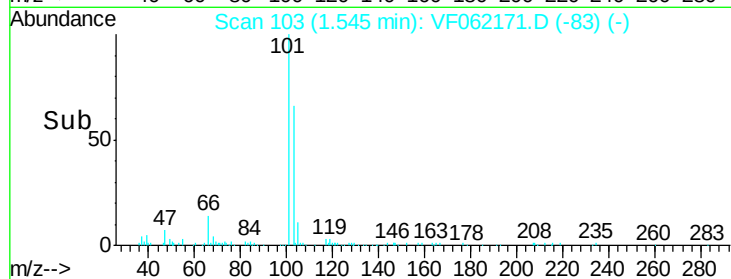
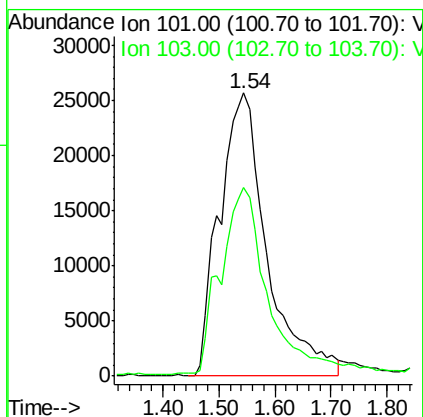
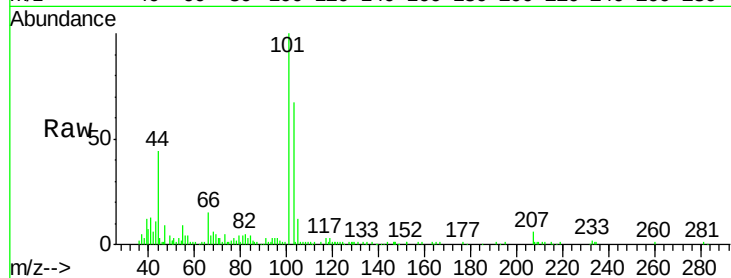
Trichlorofluoromethane
Concen: 20.223 ug/l
RT: 1.54 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	53.7	80.5

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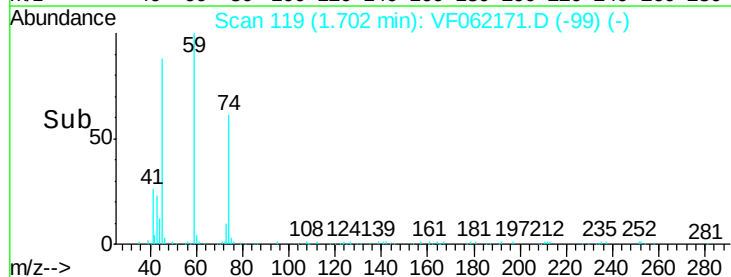
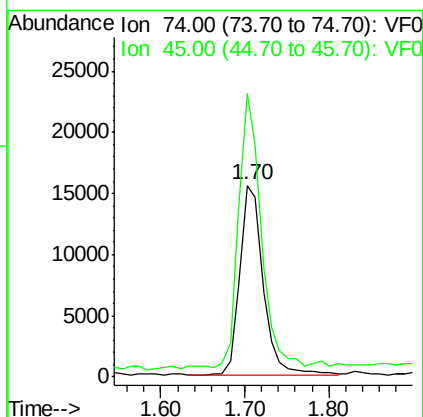
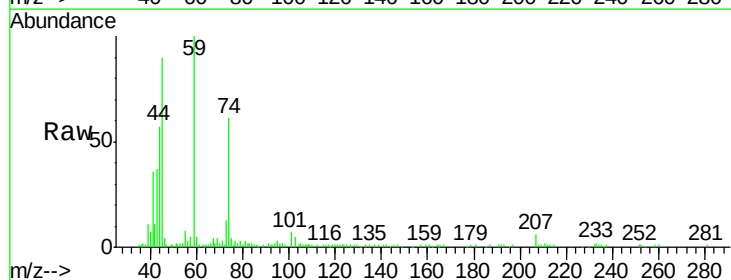
MMDadoda
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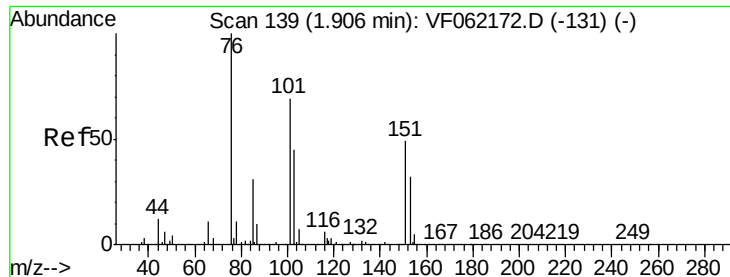


#8

Diethyl Ether
Concen: 20.097 ug/l
RT: 1.70 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	148.0	64.7	194.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.800 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062171.D

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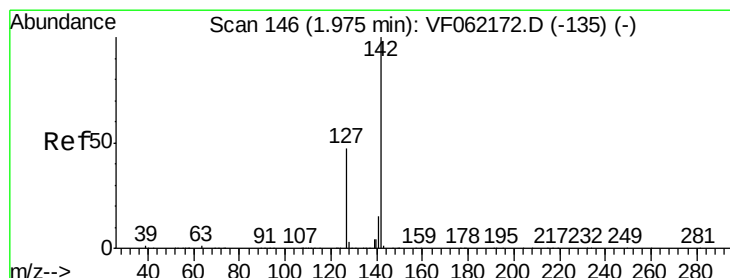
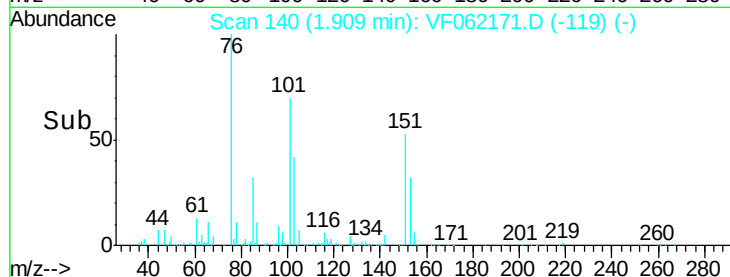
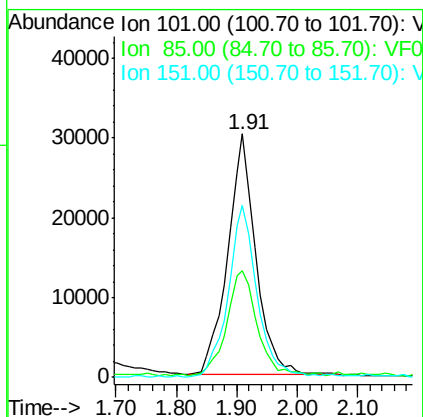
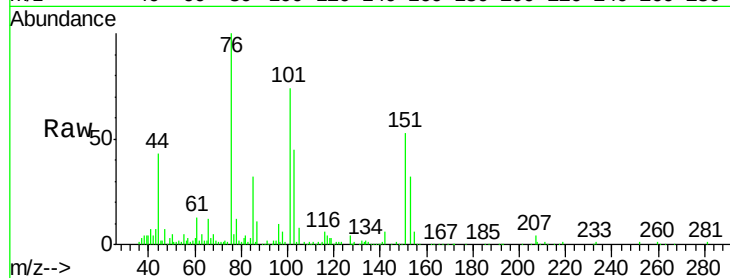
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	96887
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.2	52.8
151	70.9	56.6	85.0

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#10

Methyl Iodide

Concen: 19.701 ug/l

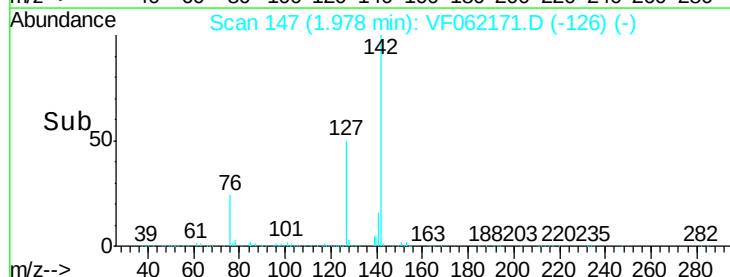
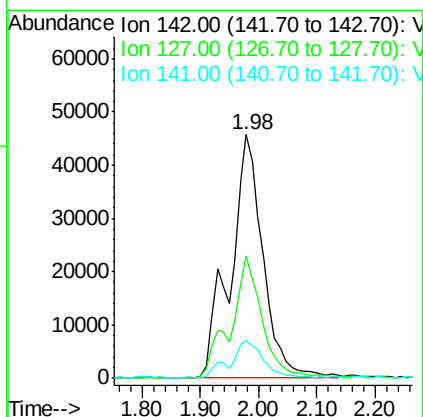
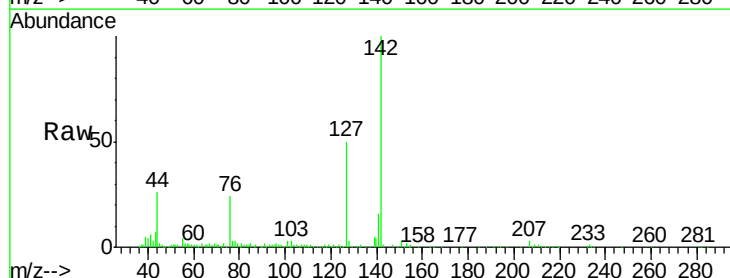
RT: 1.98 min Scan# 147

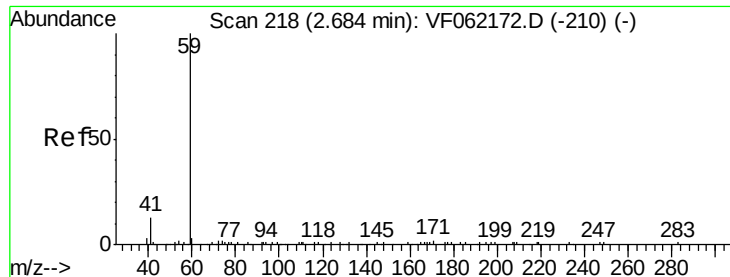
Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	142	Resp:	179702
Ion Ratio	Lower	Upper	
142	100		
127	50.0	37.8	56.6
141	15.6	12.1	18.1





#11

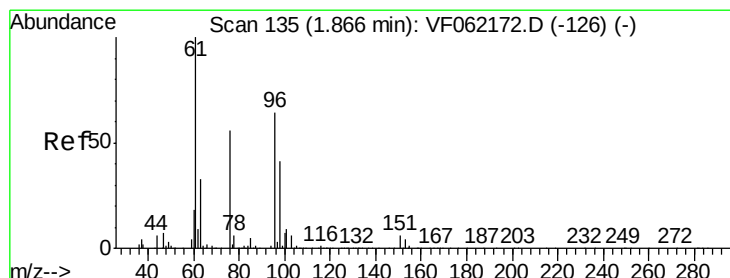
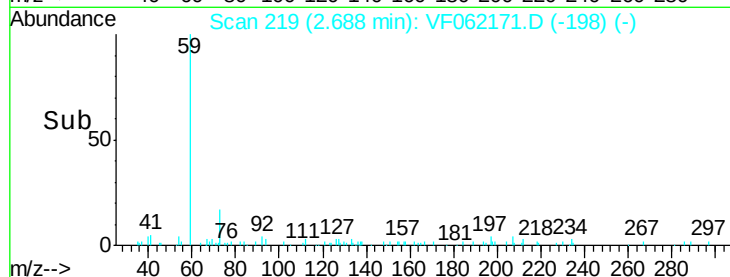
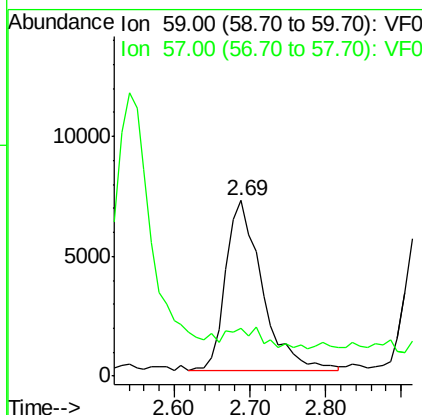
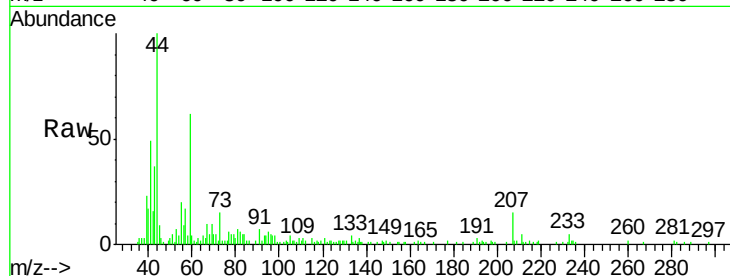
Tert butyl alcohol
Concen: 105.723 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 23928
Ion Ratio Lower Upper
59 100
57 26.9 14.2 21.4#

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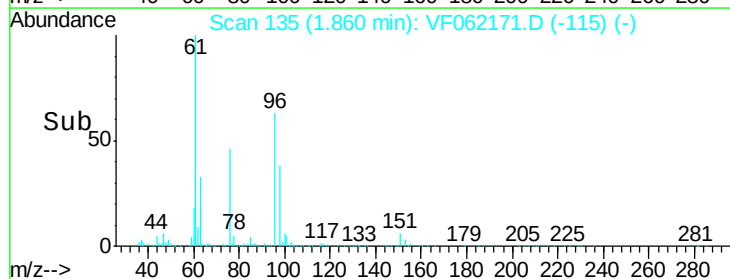
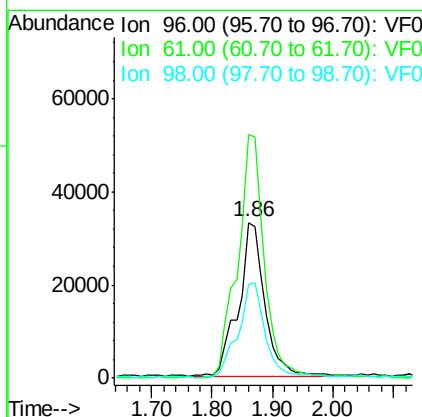
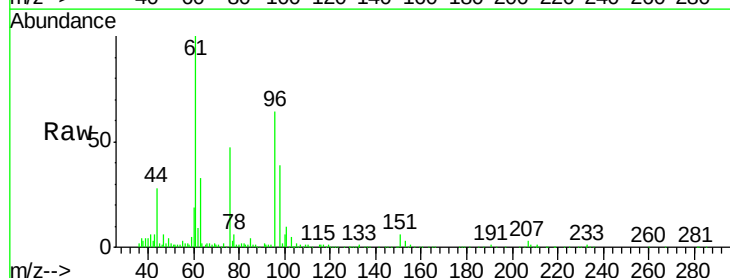
MMDadoda
4/17/2019 11:50:11 AM

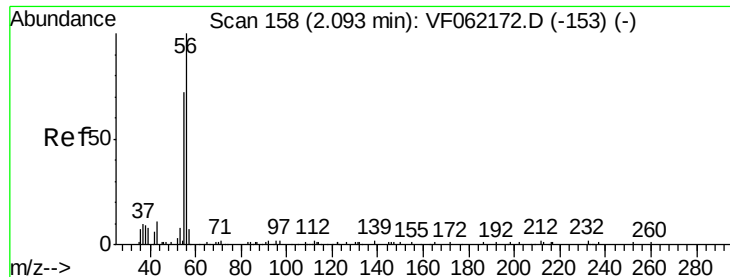


#12

1,1-Dichloroethene
Concen: 20.245 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion: 96 Resp: 100748
Ion Ratio Lower Upper
96 100
61 156.5 124.6 187.0
98 60.3 51.5 77.3





#13

Acrolein

Concen: 110.130 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 19435

Ion Ratio Lower Upper

56 100

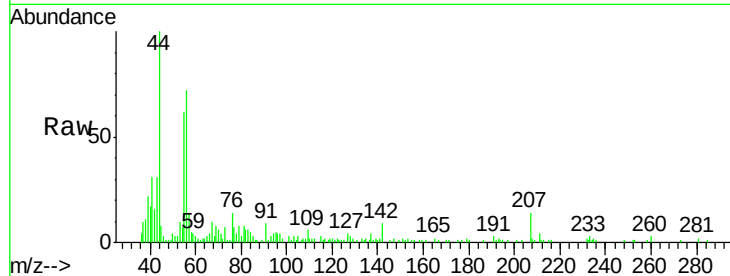
55 86.7 62.9 94.3

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

8000

6000

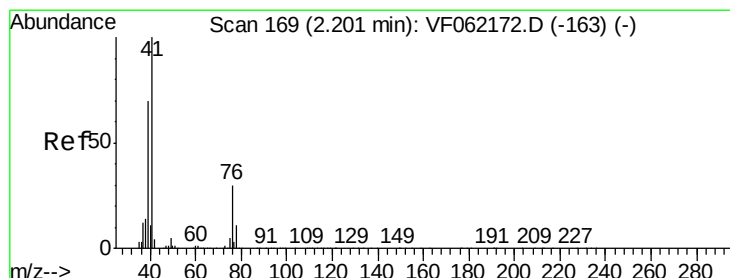
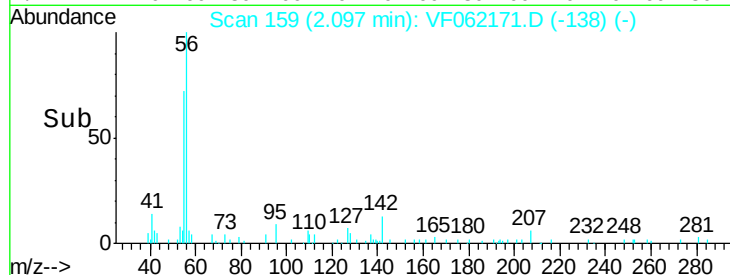
4000

2000

0

Time-->

2.00 2.10 2.20



#14

Allyl chloride

Concen: 18.657 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

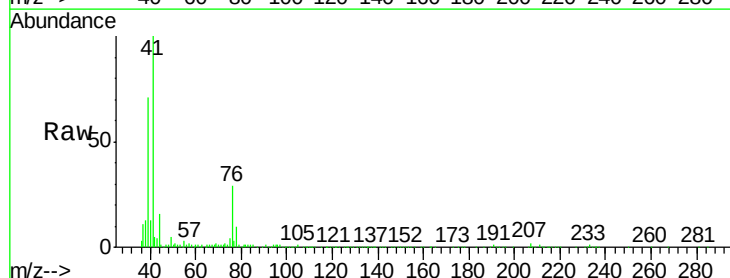
Tgt Ion: 41 Resp: 139799

Ion Ratio Lower Upper

41 100

39 70.6 56.1 84.1

76 29.5 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

100000

80000

60000

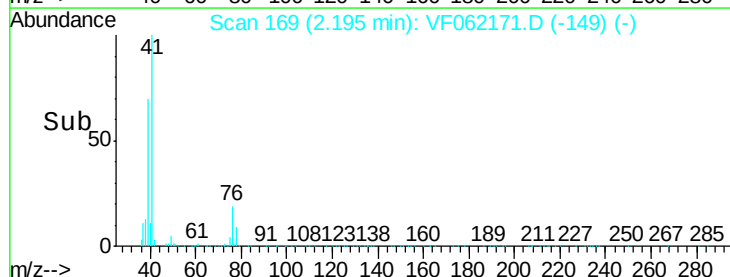
40000

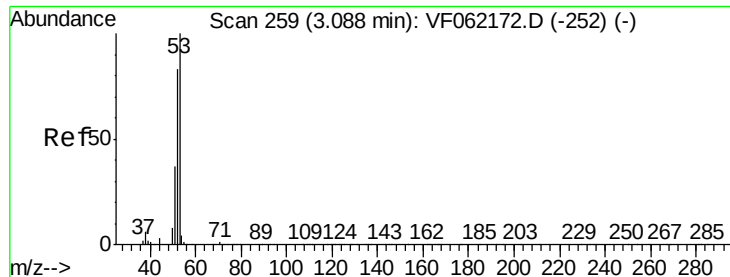
20000

0

Time-->

2.10 2.15 2.20 2.25





#15

Acrylonitrile

Concen: 107.764 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

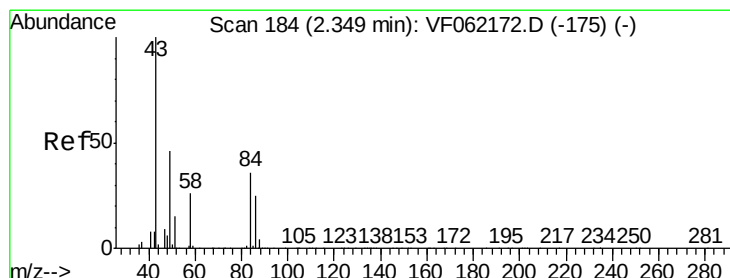
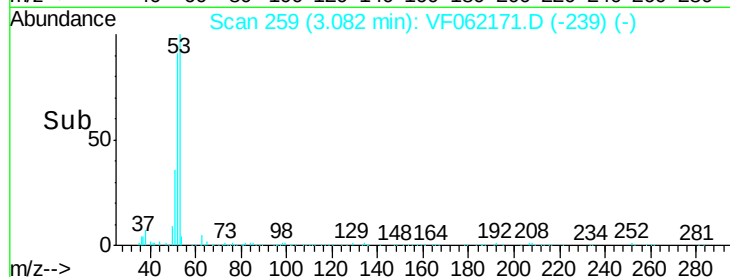
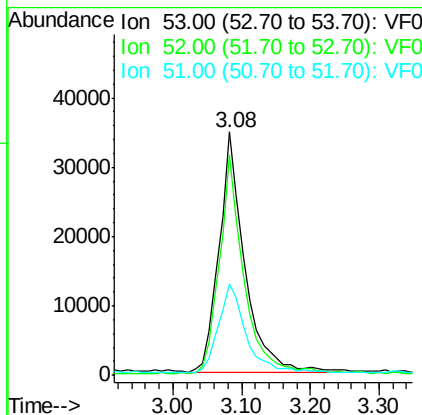
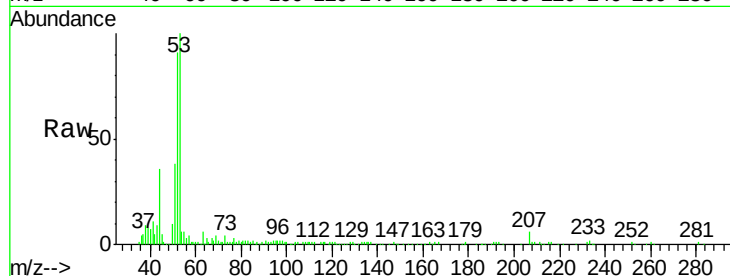
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	89807
Ion Ratio		Lower	Upper
53	100		
52	90.7	66.6	99.8
51	37.6	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 87.246 ug/l

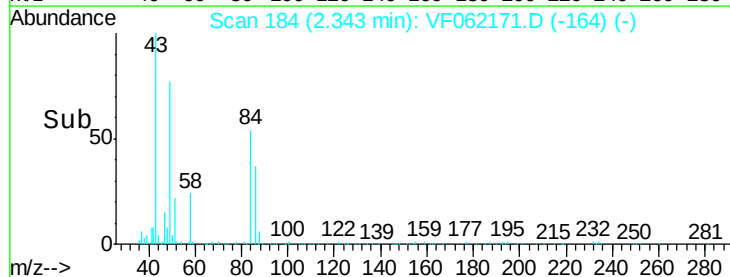
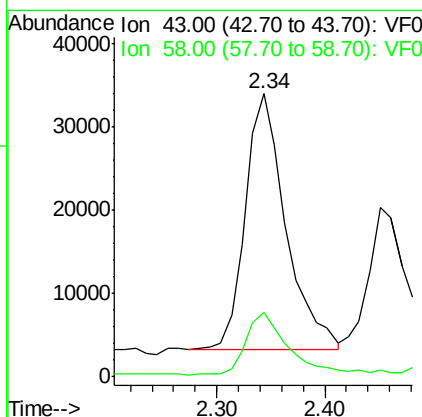
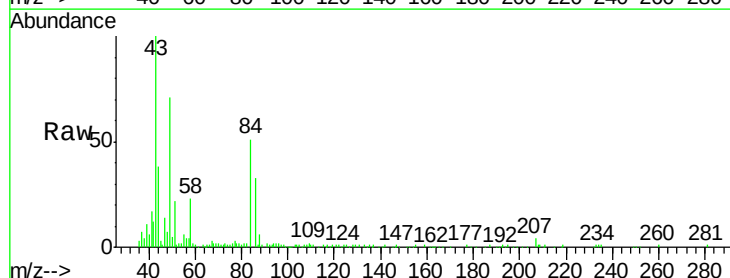
RT: 2.34 min Scan# 184

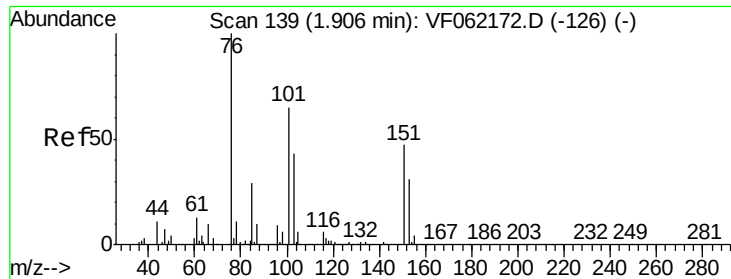
Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	43	Resp:	80317
Ion Ratio		Lower	Upper
43	100		
58	22.7	20.2	30.2





#17

Carbon Disulfide

Concen: 19.488 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 275810

Ion Ratio Lower Upper

76 100

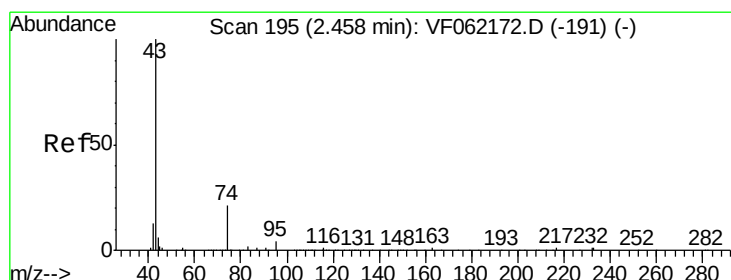
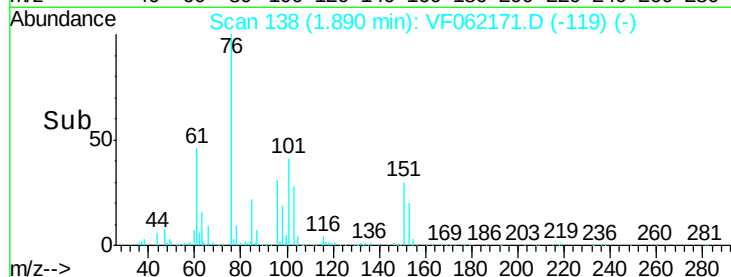
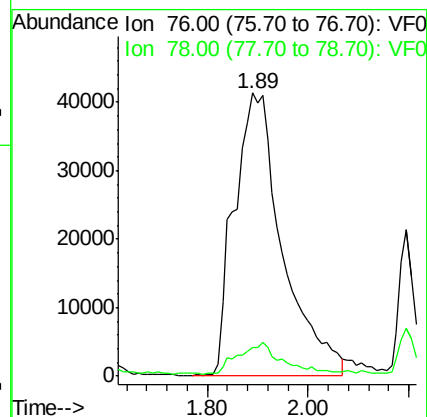
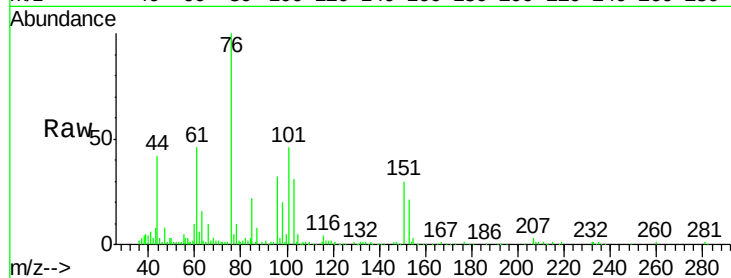
78 9.9 9.1 13.7

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#18

Methyl Acetate

Concen: 18.625 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF062171.D

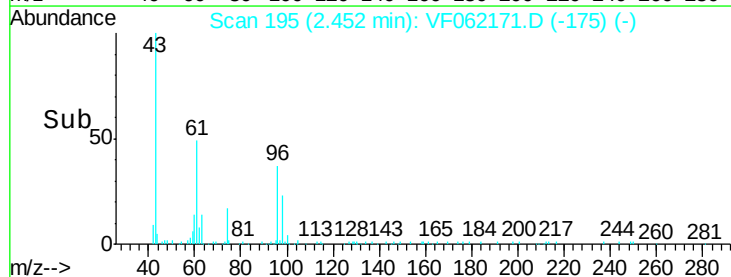
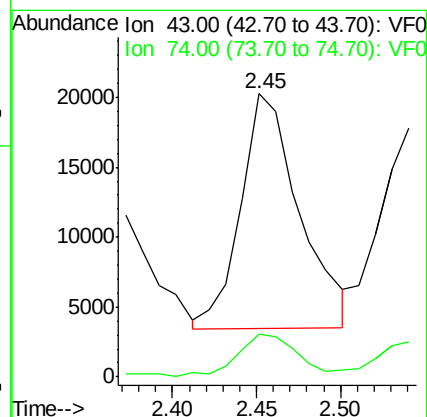
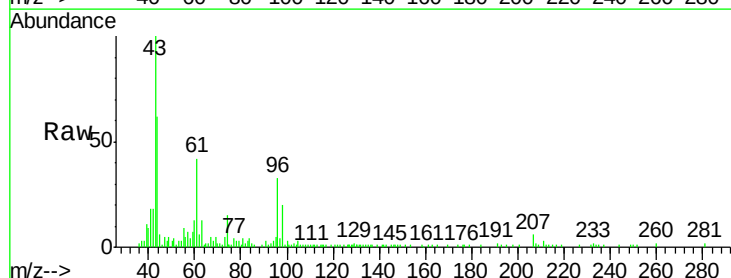
Acq: 16 Apr 2019 11:47

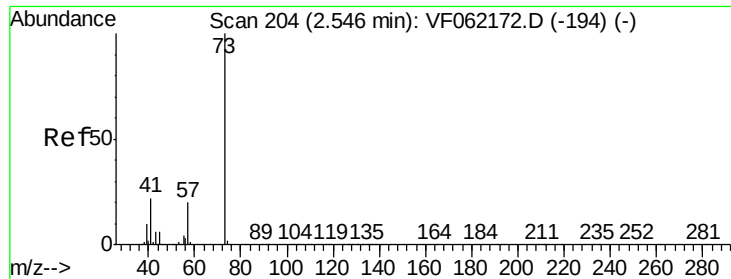
Tgt Ion: 43 Resp: 40681

Ion Ratio Lower Upper

43 100

74 15.3 14.2 21.4





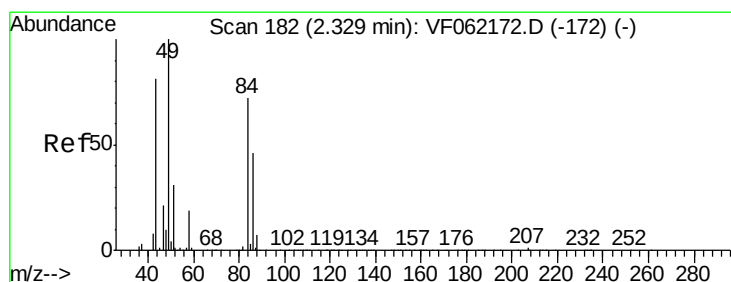
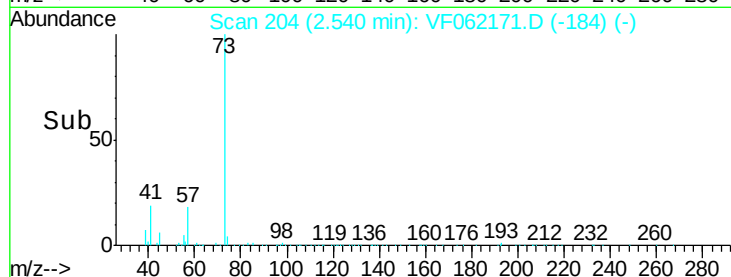
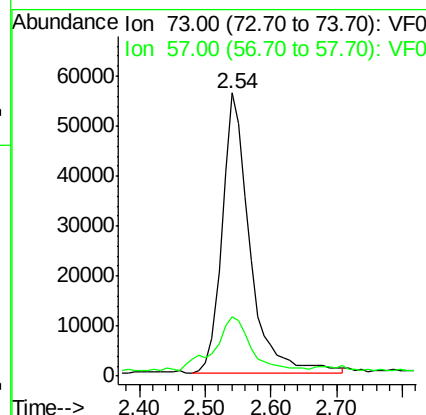
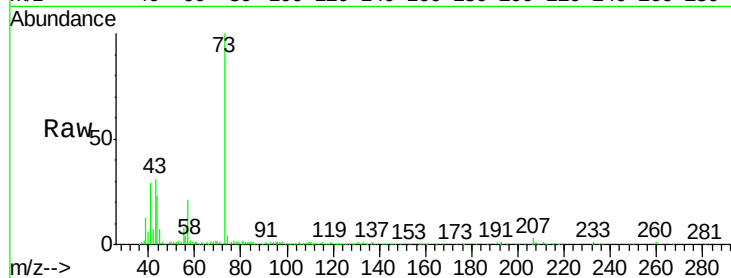
#19
Methyl tert-butyl Ether
Concen: 19.699 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	73	Resp	163061
Ion Ratio	100	Lower	Upper
73	100		
57	20.9	16.8	25.2

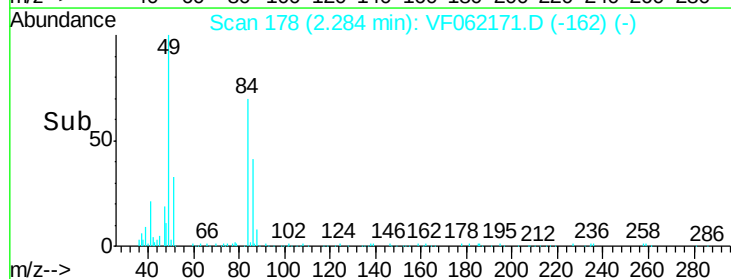
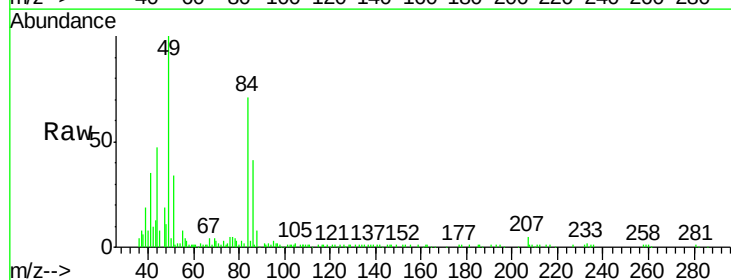
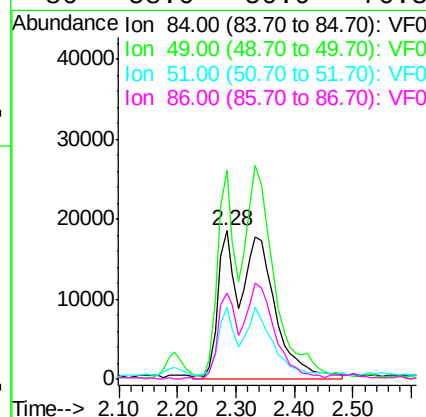
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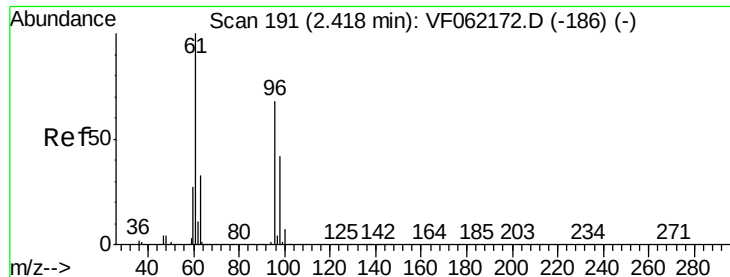
MMDadoda
4/17/2019 11:50:11 AM



#20
Methylene Chloride
Concen: 19.434 ug/l m
RT: 2.28 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	84	Resp	102507
Ion Ratio	100	Lower	Upper
84	100		
49	140.9	111.5	167.3
51	48.3	34.9	52.3
86	58.0	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 19.634 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

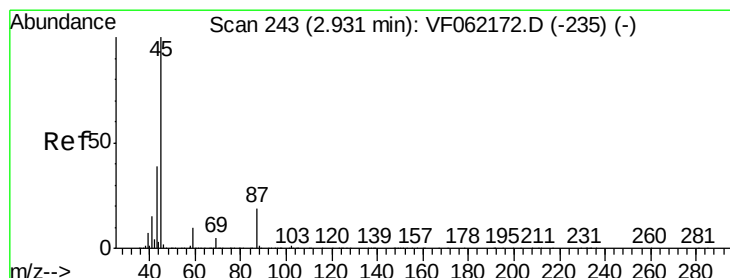
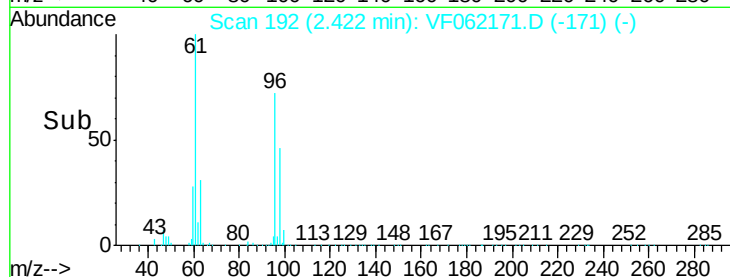
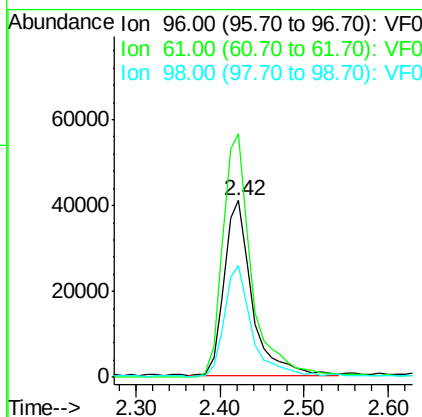
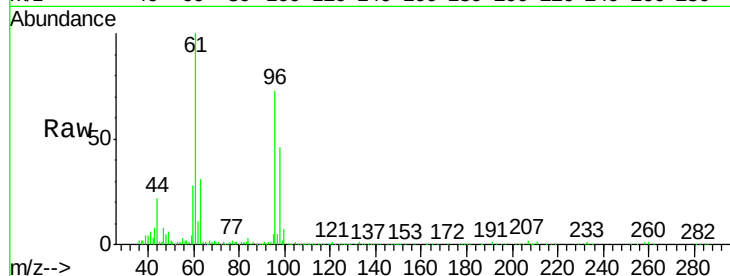
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	93483
Ion	Ratio	Lower	Upper
96	100		
61	137.8	117.4	176.2
98	63.0	49.8	74.8

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#22

Diisopropyl ether

Concen: 19.539 ug/l

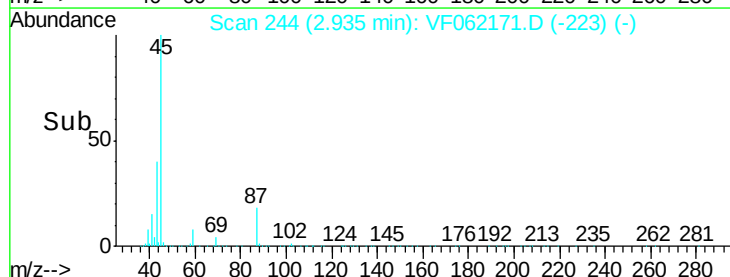
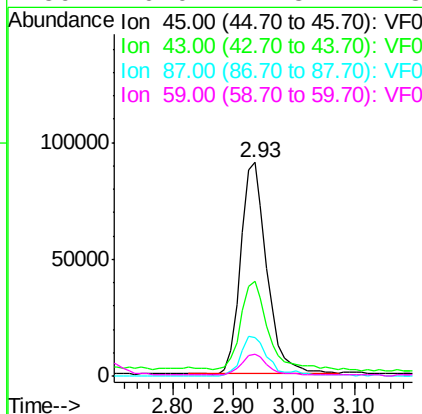
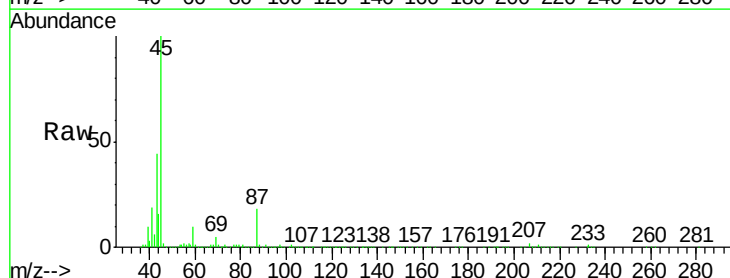
RT: 2.93 min Scan# 244

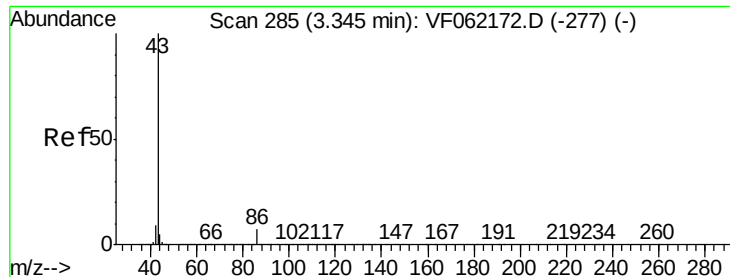
Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	45	Resp:	272156
Ion	Ratio	Lower	Upper
45	100		
43	44.1	32.5	48.7
87	17.8	14.9	22.3
59	10.0	7.8	11.8





#23

Vinyl Acetate

Concen: 105.452 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 732662

Ion Ratio Lower Upper

43 100

86 7.5

5.9

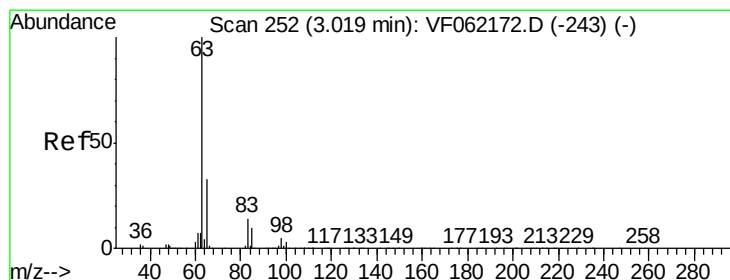
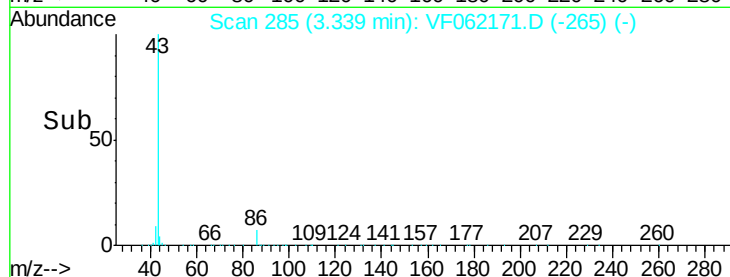
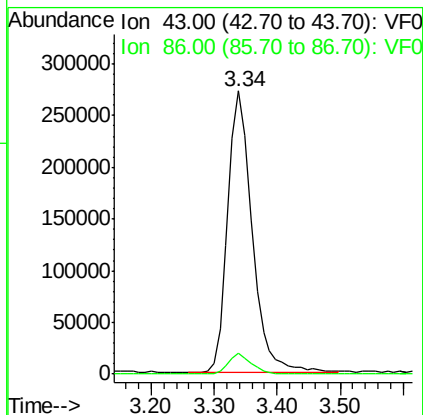
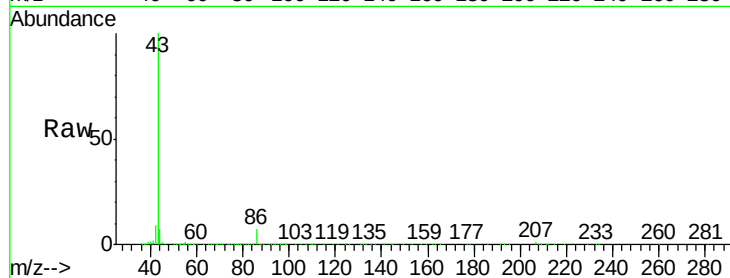
8.9

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#24

1,1-Dichloroethane

Concen: 20.032 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.02 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion: 63 Resp: 155372

Ion Ratio Lower Upper

63 100

98 5.4

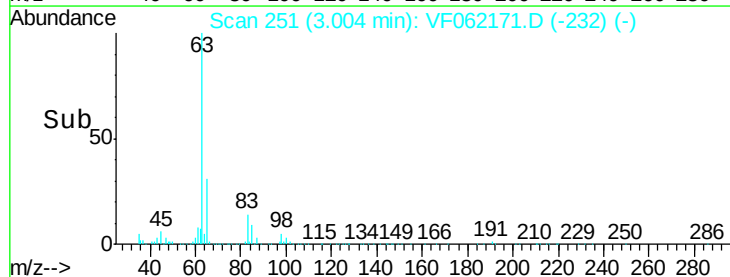
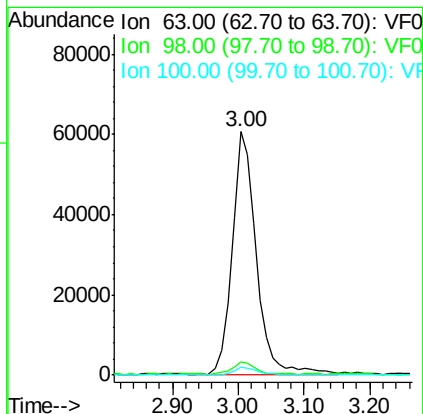
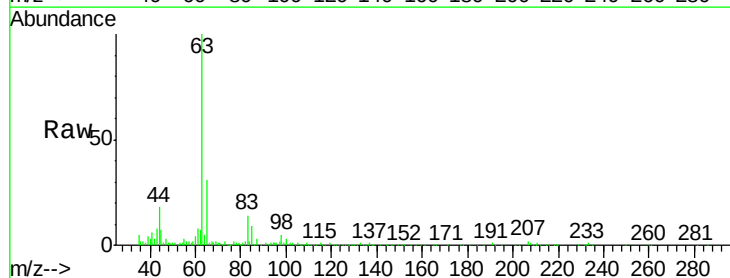
2.6

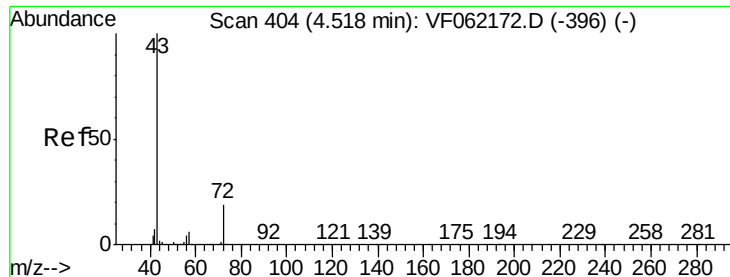
8.0

100 3.4

1.7

5.1





#25

2-Butanone

Concen: 100.572 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 198947

Ion Ratio Lower Upper

43 100

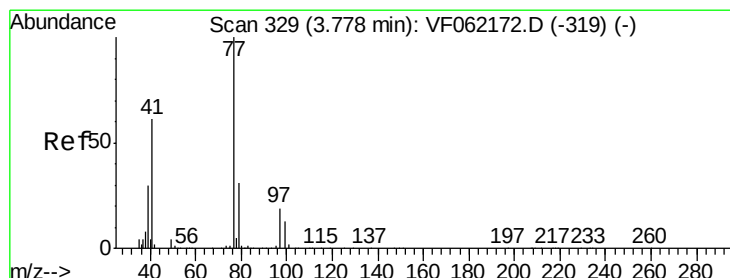
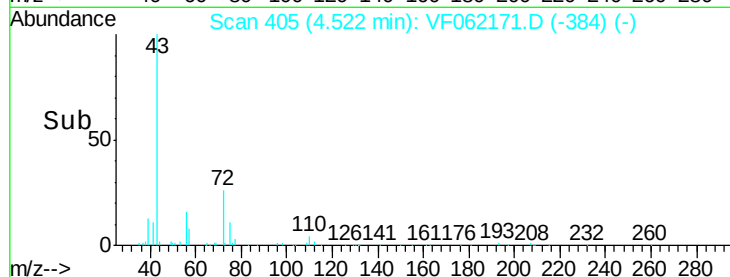
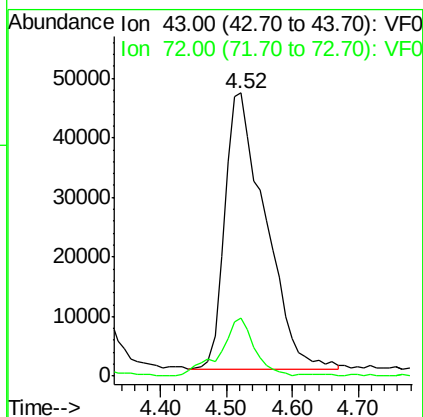
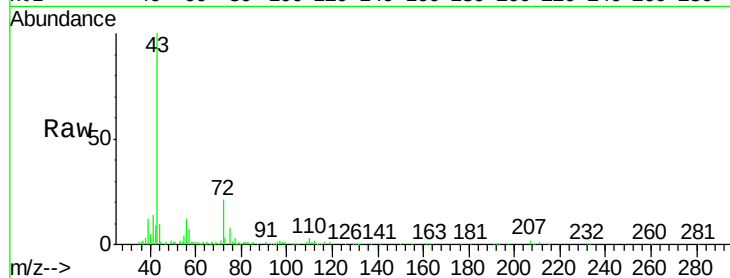
72 20.6 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.788 ug/l

RT: 3.77 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062171.D

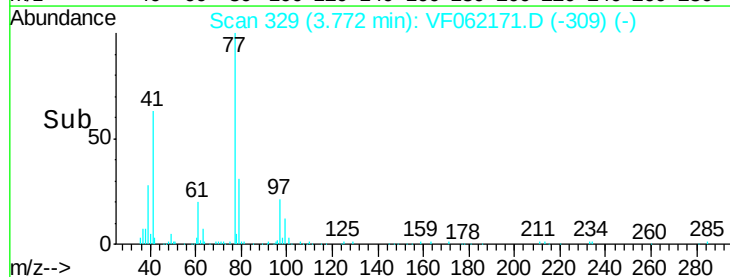
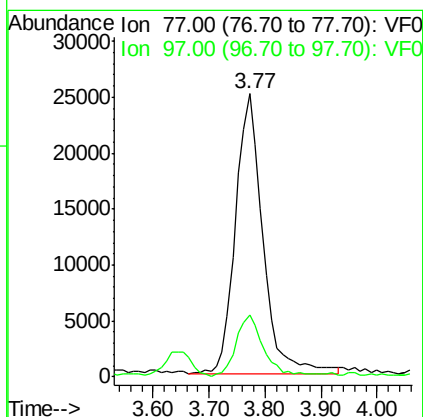
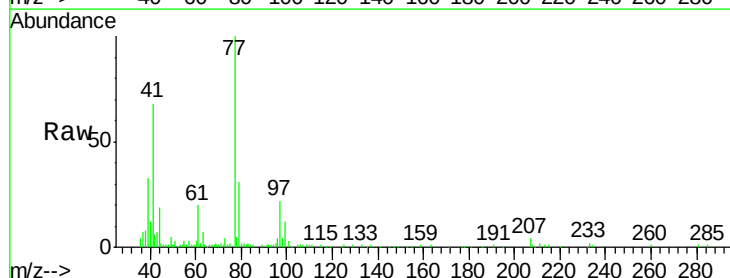
Acq: 16 Apr 2019 11:47

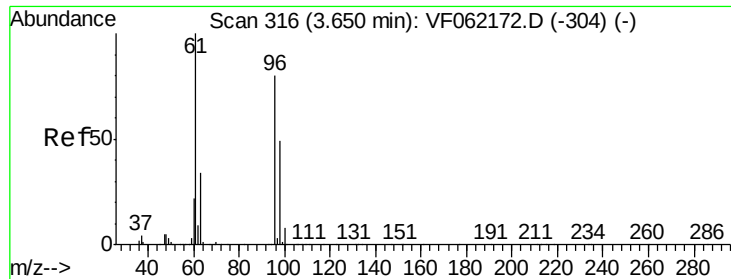
Tgt Ion: 77 Resp: 84810

Ion Ratio Lower Upper

77 100

97 21.7 10.3 30.9





#27

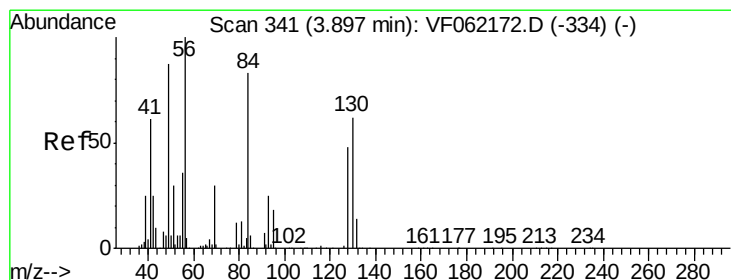
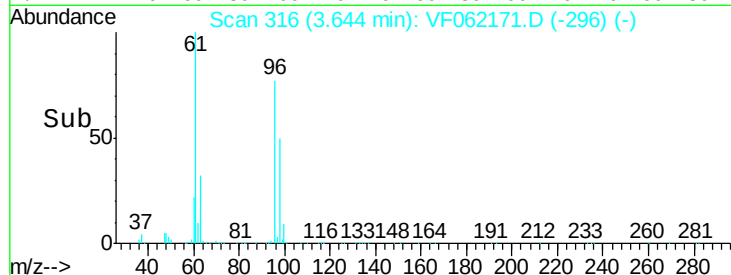
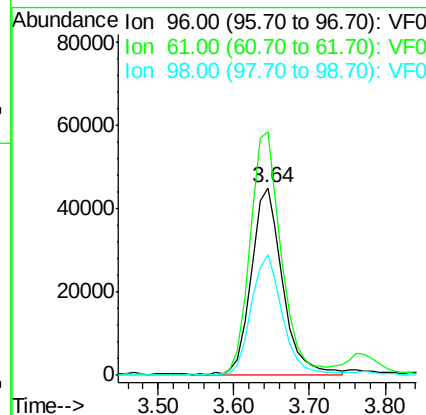
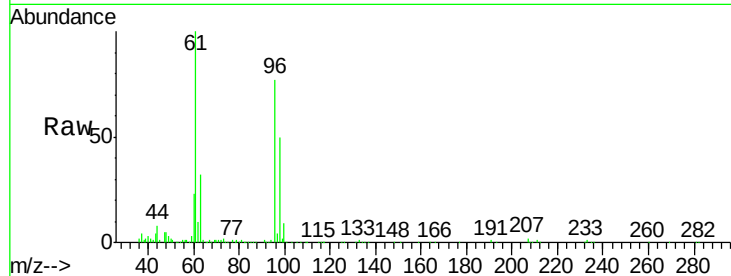
cis-1,2-Dichloroethene
Concen: 20.220 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	127794		
61	129.6		0.0	248.2
98	64.2		0.0	122.4

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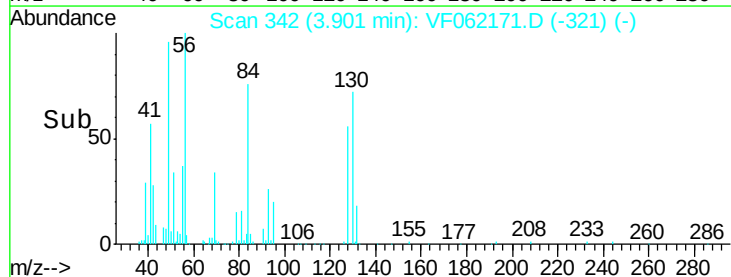
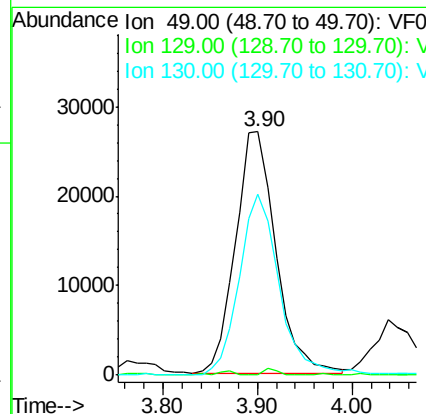
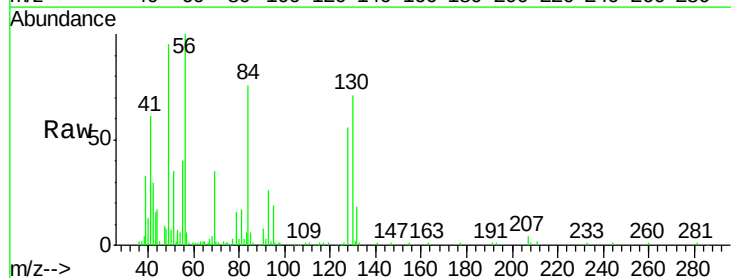
MMDadoda
4/17/2019 11:50:11 AM

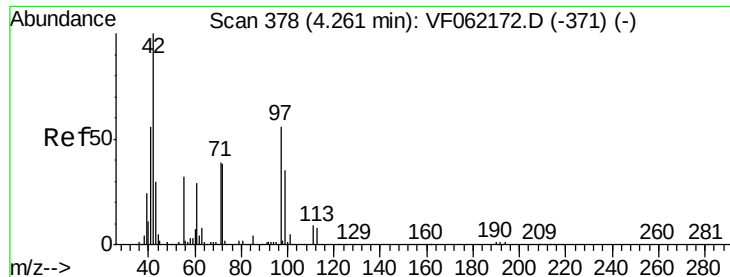


#28

Bromochloromethane
Concen: 21.650 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80408		
129	0.0		0.0	0.0
130	74.4		56.5	84.7





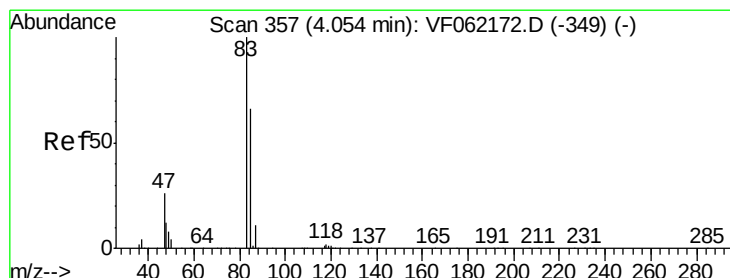
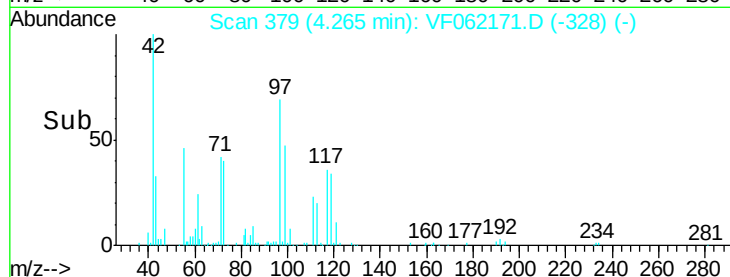
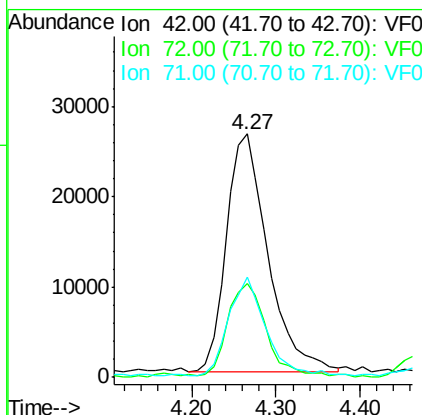
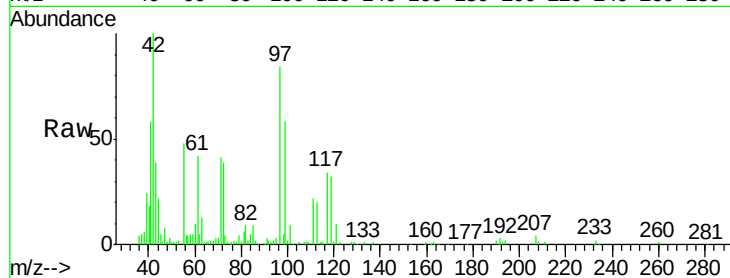
#29
Tetrahydrofuran
Concen: 101.752 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	28.7	43.1
71	37.9	30.8	46.2

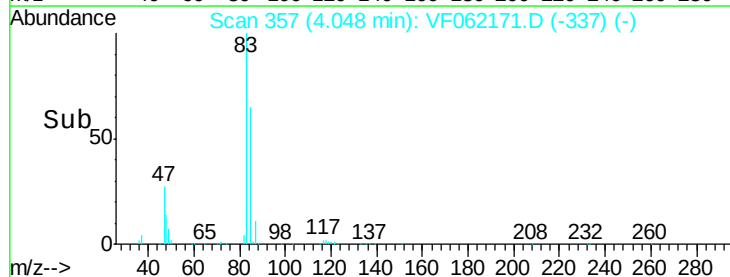
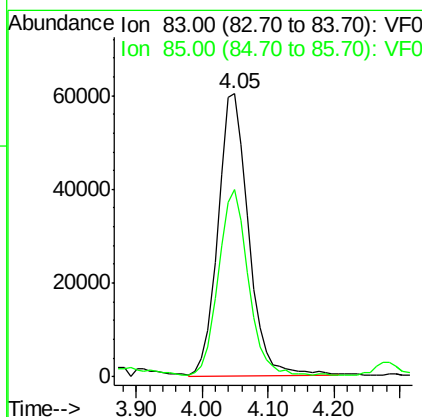
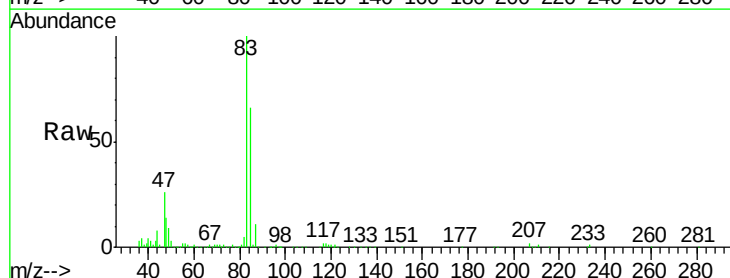
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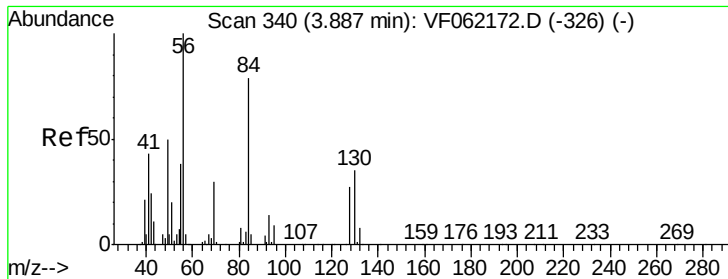
MMDadoda
4/17/2019 11:50:11 AM



#30
Chloroform
Concen: 20.193 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.5	80.3





#31

Cyclohexane

Concen: 20.300 ug/l

RT: 3.87 min Scan# 339

Delta R.T. -0.02 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

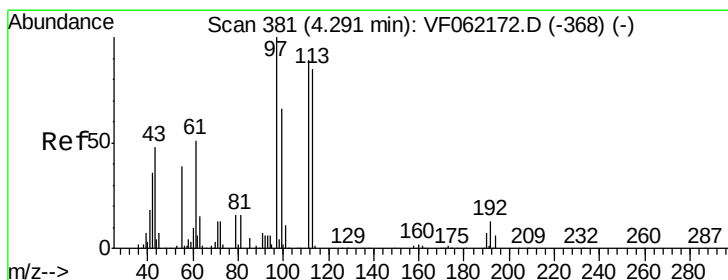
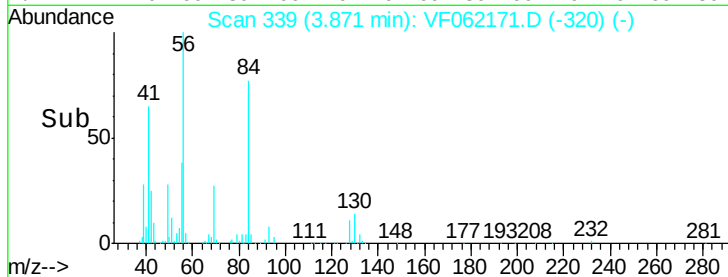
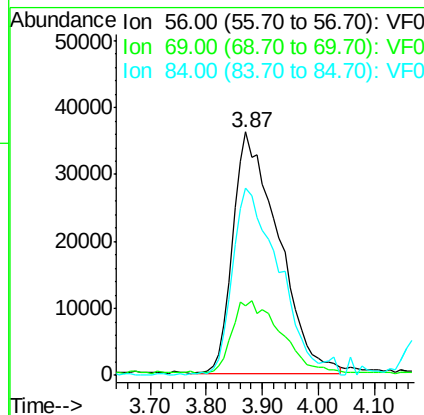
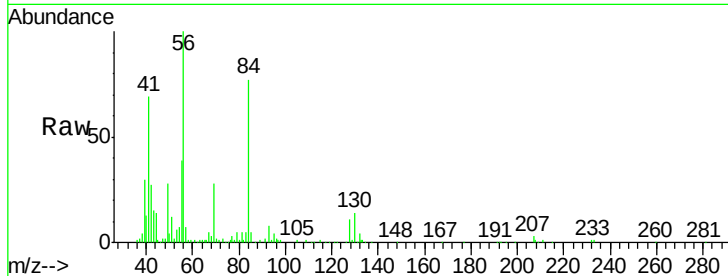
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		203260		
69	28.5	24.4	36.6		
84	76.7	63.4	95.2		

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4/17/2019 11:50:11 AM



#32

1,1,1-Trichloroethane

Concen: 20.268 ug/l

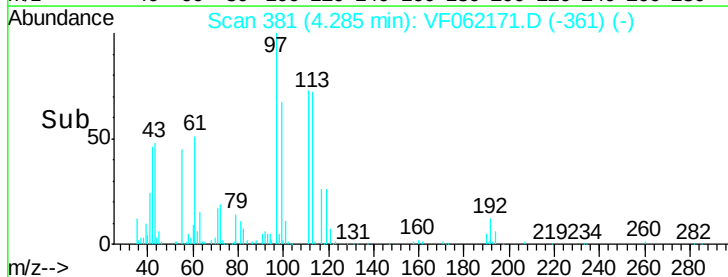
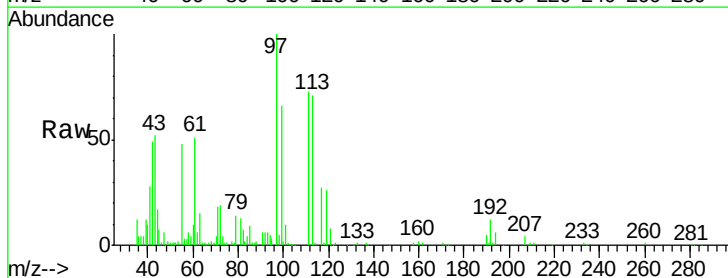
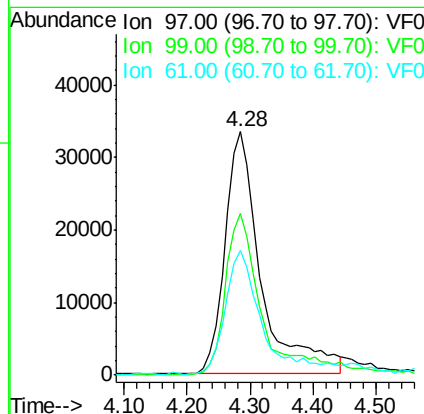
RT: 4.28 min Scan# 381

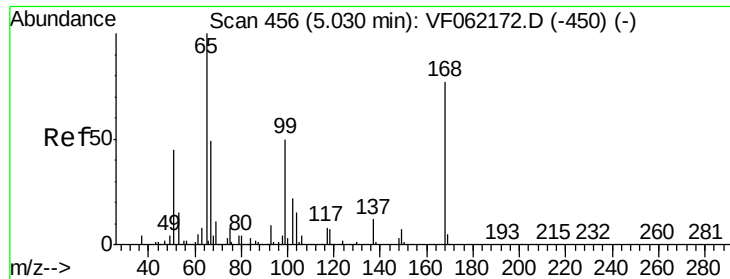
Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		133276		
99	66.4	52.3	78.5		
61	51.0	40.9	61.3		





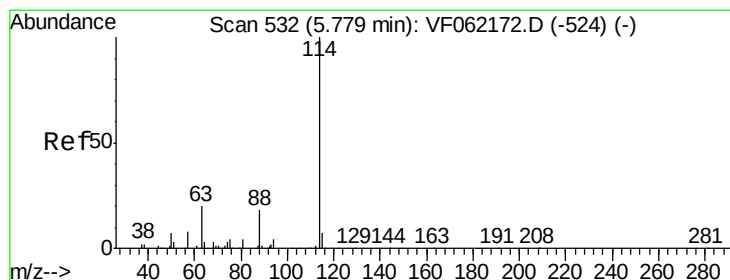
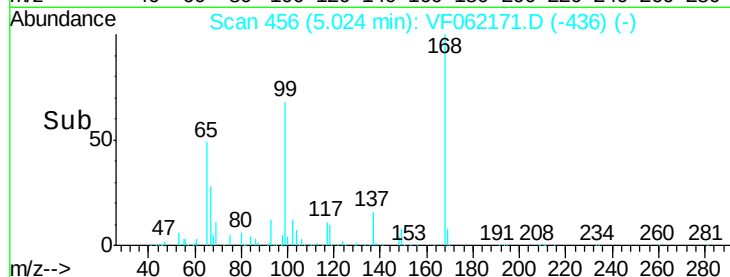
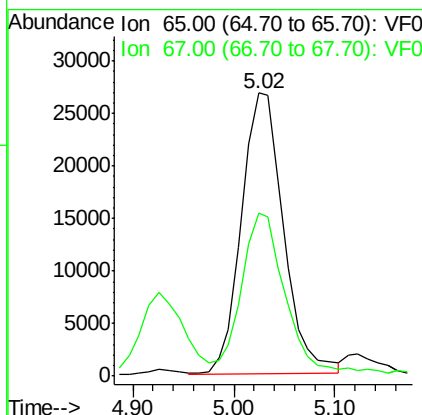
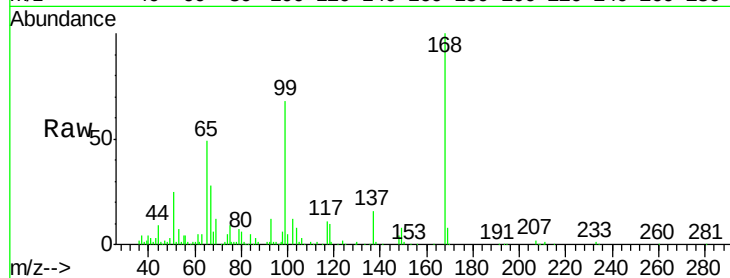
#33
 1,2-Dichloroethane-d4
 Concen: 19.071 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.5	0.0	107.8

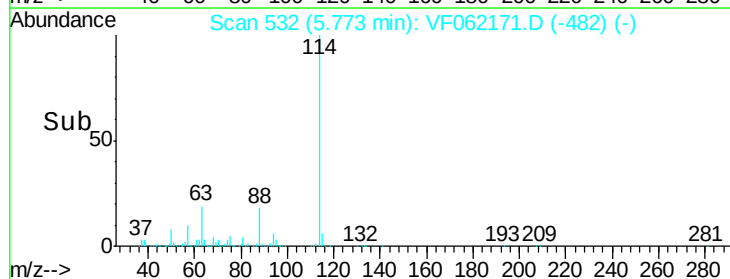
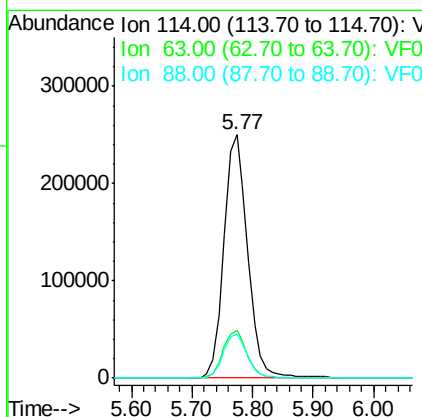
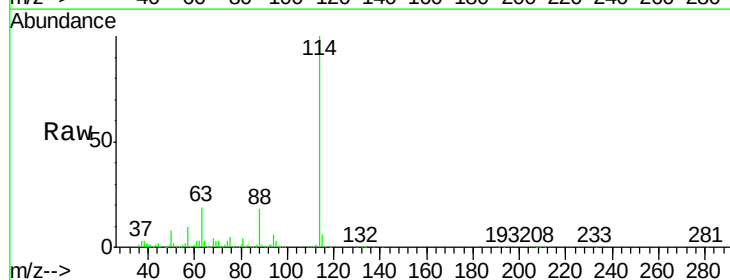
Manual Integrations
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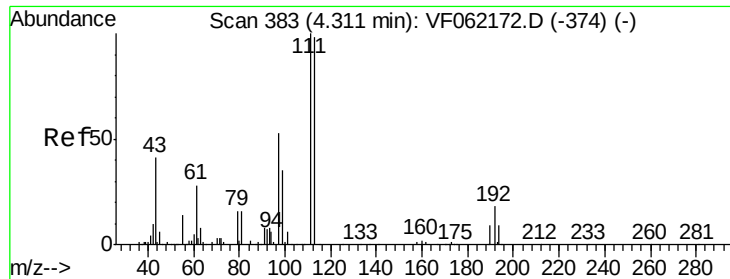
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 4/17/2019 11:50:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	18.1	0.0	36.6





#35

Dibromofluoromethane

Concen: 20.318 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

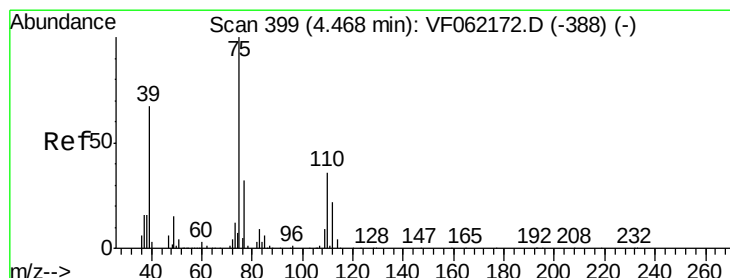
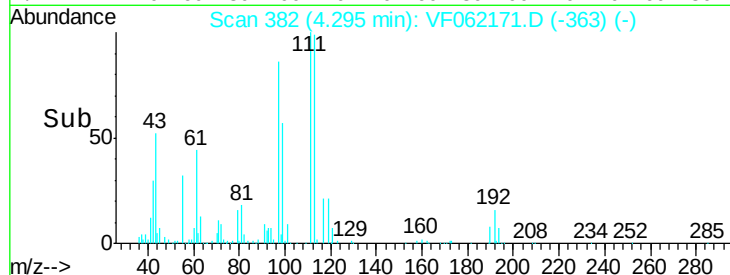
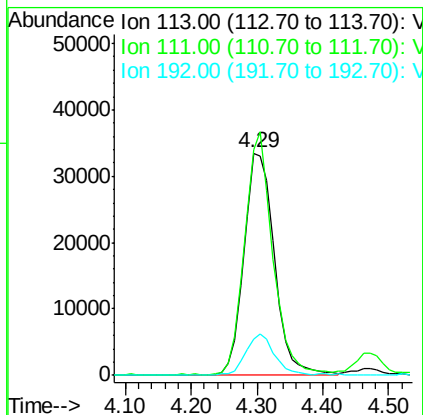
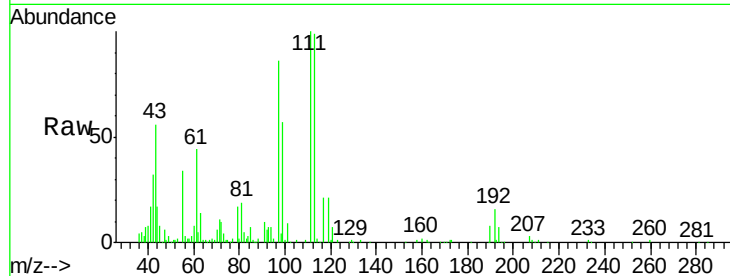
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	109459
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.6	122.4
192	16.4	15.0	22.4

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#36

1,1-Dichloropropene

Concen: 20.898 ug/l

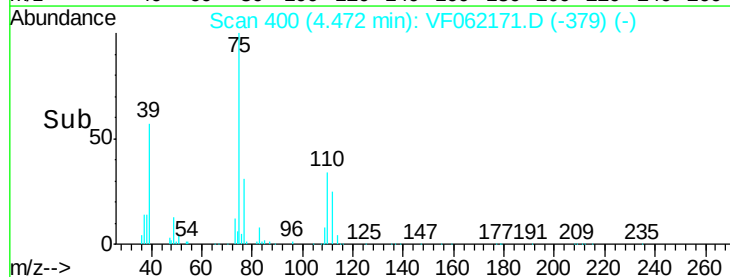
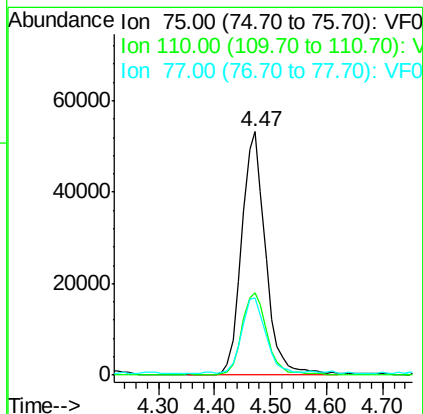
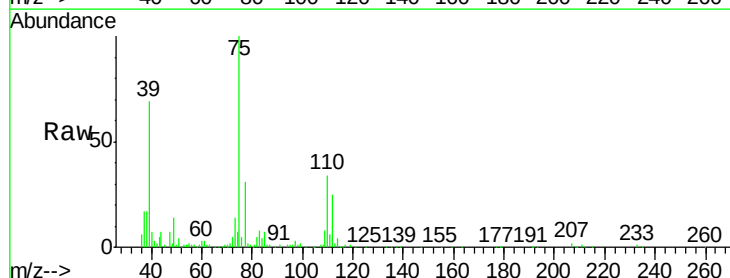
RT: 4.47 min Scan# 400

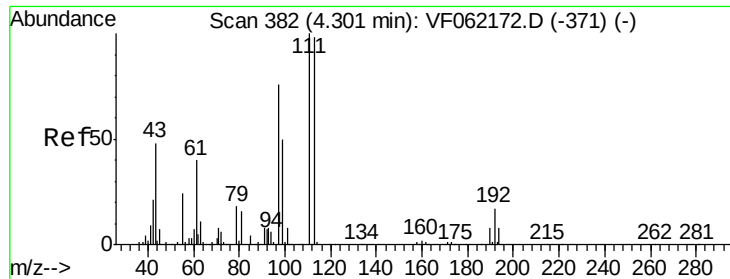
Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	75	Resp:	158569
Ion Ratio	Lower	Upper	
75	100		
110	34.0	17.9	53.8
77	31.5	25.6	38.4





#37

Ethyl Acetate

Concen: 21.254 ug/l

RT: 4.29 min Scan# 382

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

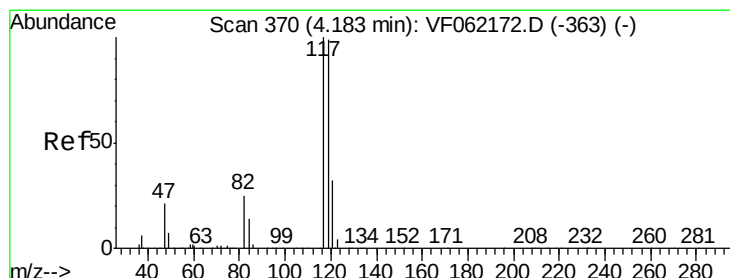
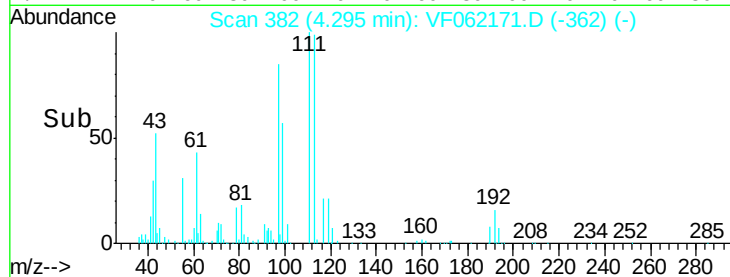
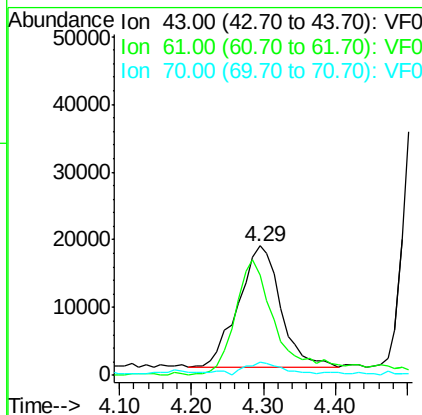
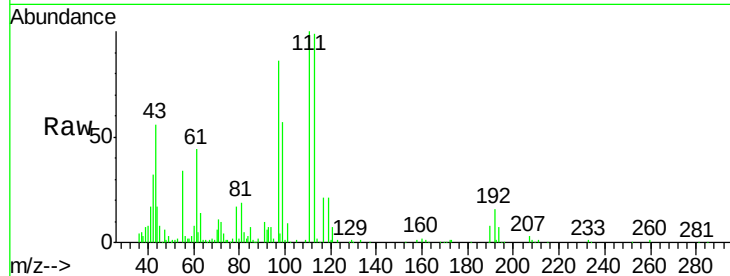
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	74310
Ion	Ratio	Lower	Upper
43	100		
61	77.8	64.9	97.3
70	10.2	7.8	11.8

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#38

Carbon Tetrachloride

Concen: 20.187 ug/l

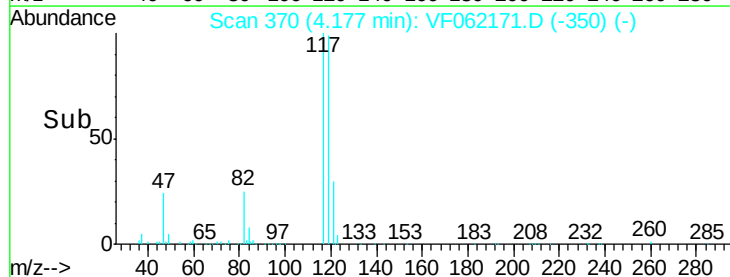
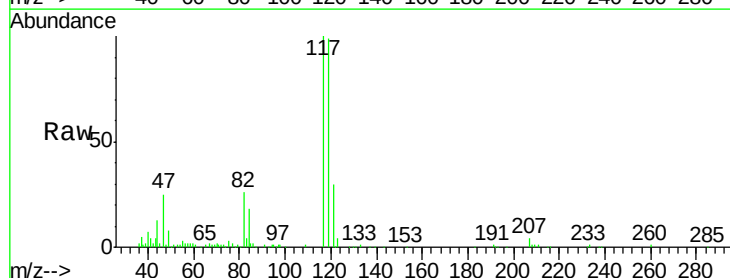
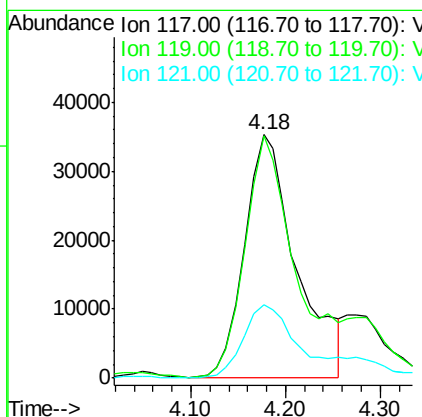
RT: 4.18 min Scan# 370

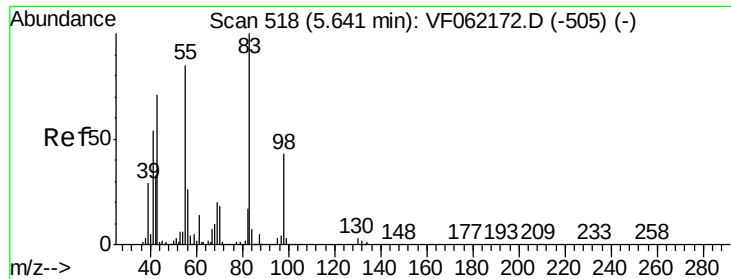
Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	117	Resp:	133970
Ion	Ratio	Lower	Upper
117	100		
119	99.4	78.9	118.3
121	30.2	25.3	37.9





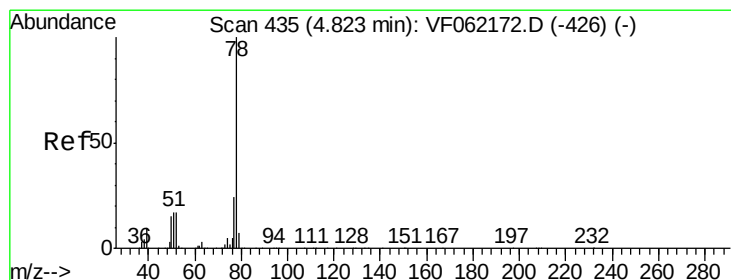
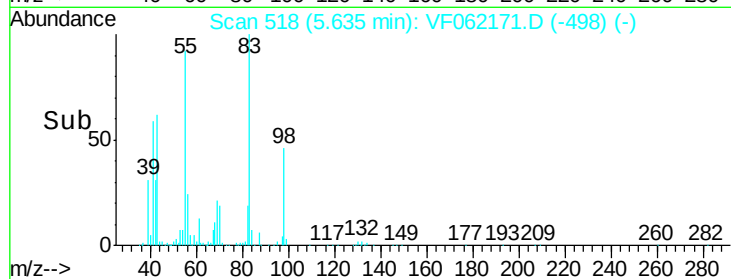
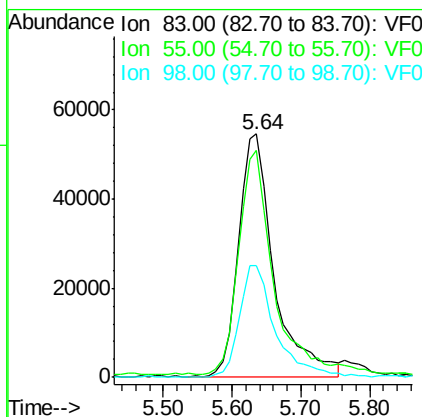
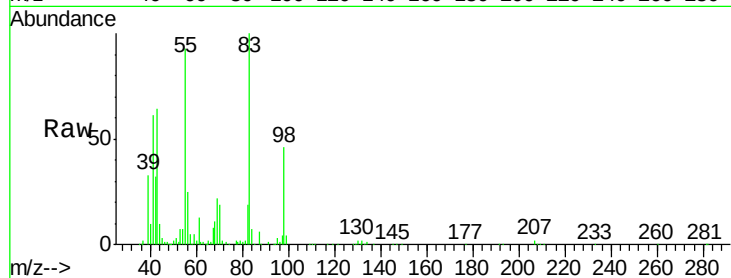
#39
Methylvlcyclohexane
Concen: 20.396 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.2	68.2	102.2
98	46.0	34.4	51.6

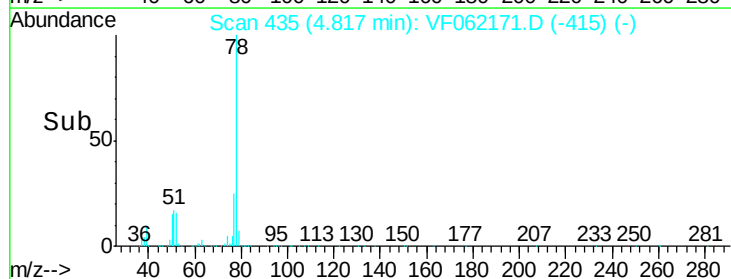
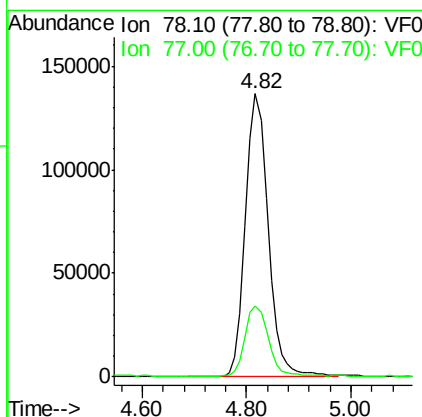
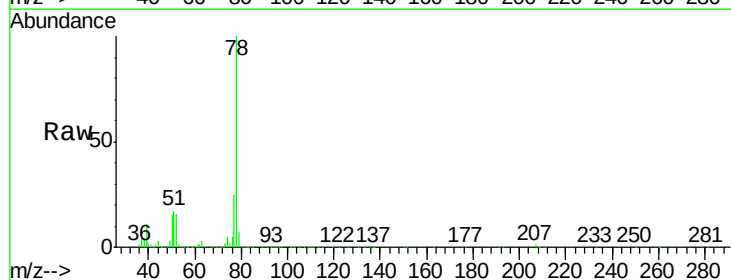
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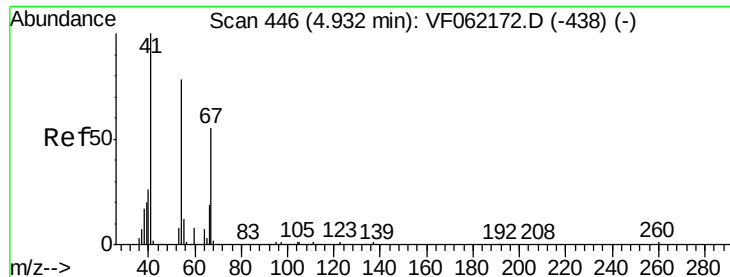
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#40
Benzene
Concen: 20.018 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.1	28.7





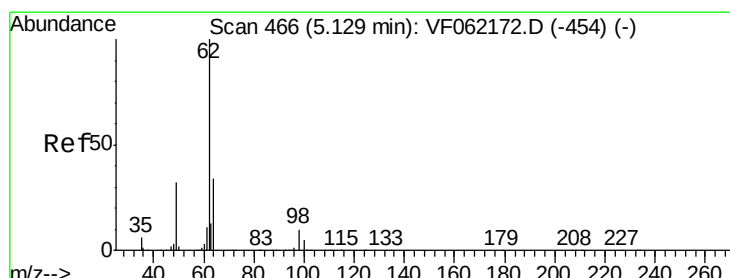
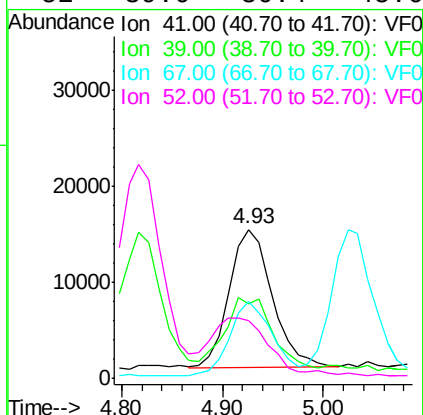
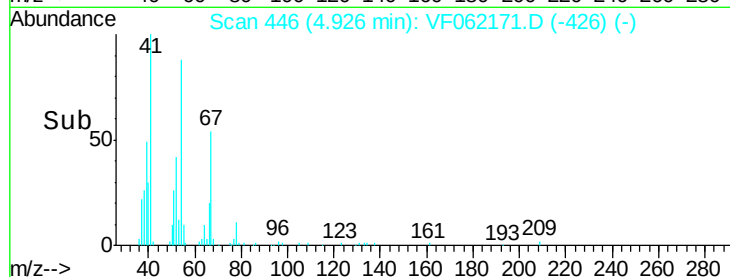
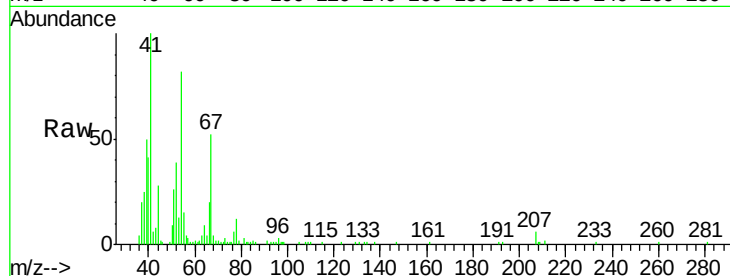
#41
Methacrylonitrile
Concen: 20.311 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	42670
Ion	Ratio	Lower	Upper
41	100		
39	50.0	43.5	65.3
67	51.6	42.9	64.3
52	39.0	30.4	45.6

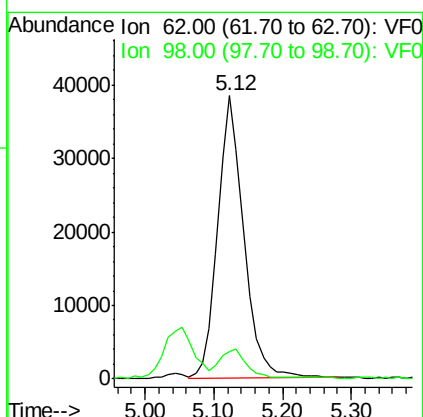
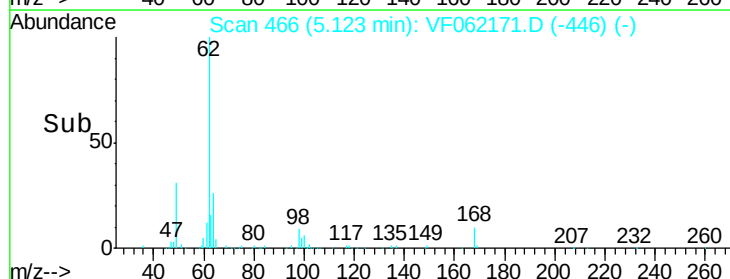
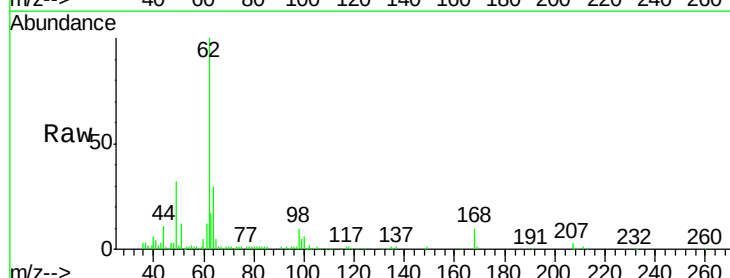
Manual Integrations
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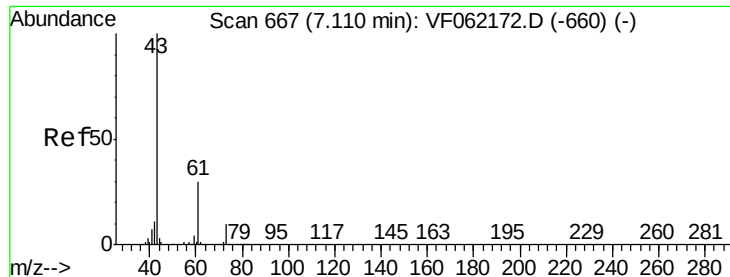
MMDadoda
4/17/2019 11:50:11 AM



#42
1,2-Dichloroethane
Concen: 19.907 ug/l
RT: 5.12 min Scan# 466
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	62	Resp	100989
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	22.0





#43

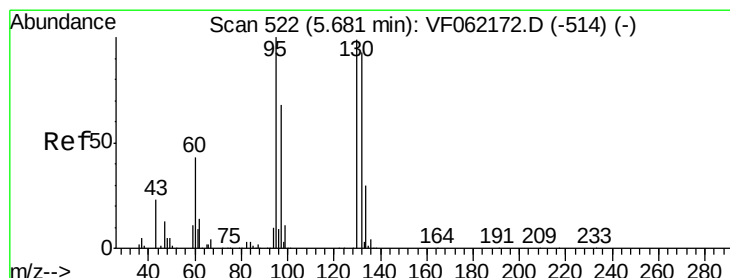
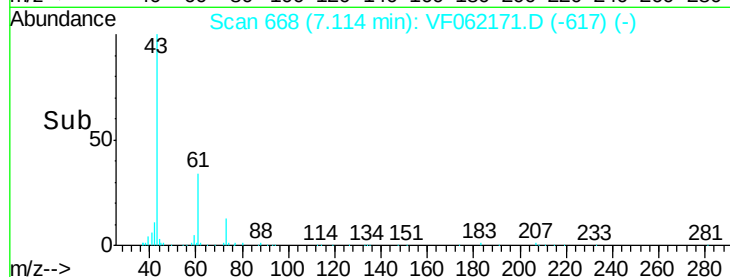
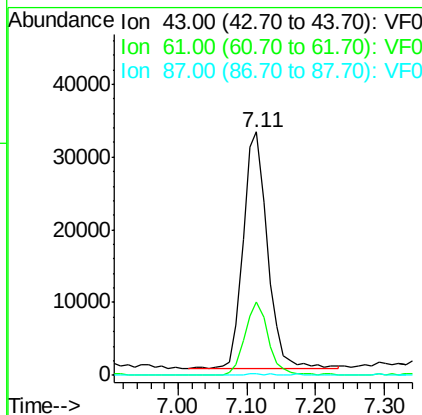
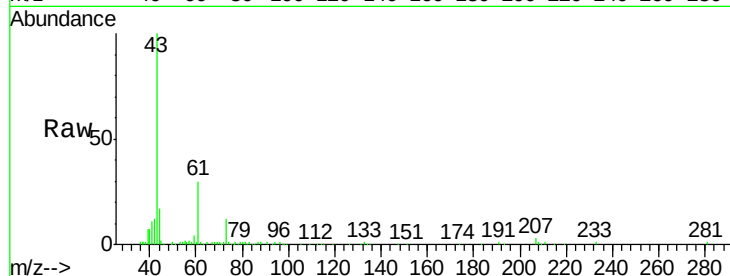
Isopropyl Acetate
 Concen: 19.438 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.7	35.5
87	0.8	0.3	0.5

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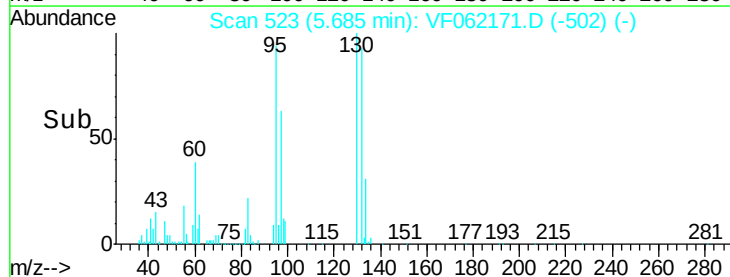
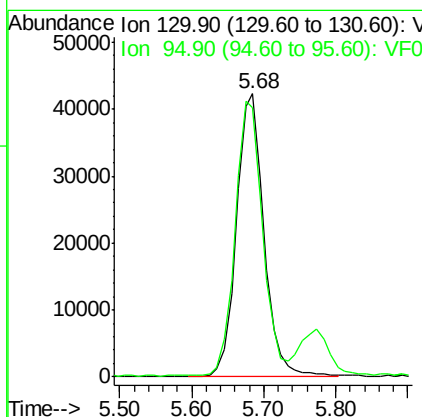
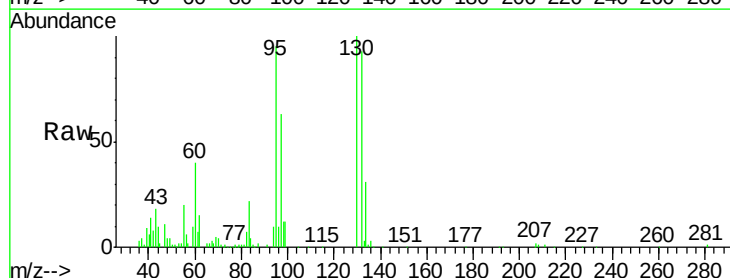
MMDadoda
 4/17/2019 11:50:11 AM

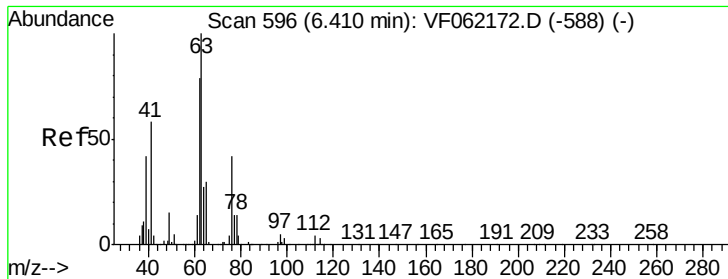


#44

Trichloroethene
 Concen: 20.966 ug/l
 RT: 5.68 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	202.2





#45

1,2-Dichloropropane

Concen: 20.012 ug/l

RT: 6.40 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 98400

Ion Ratio Lower Upper

63 100

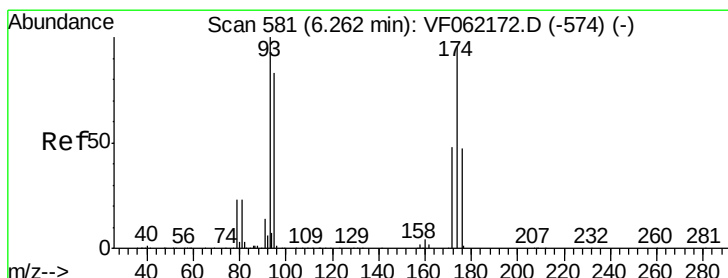
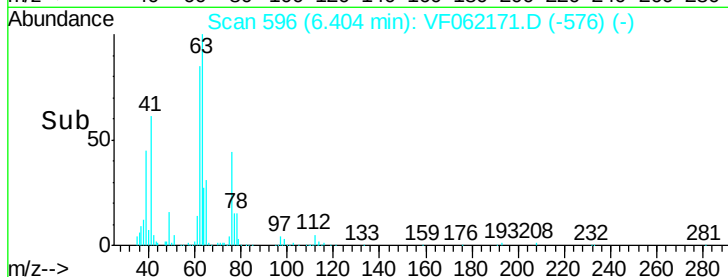
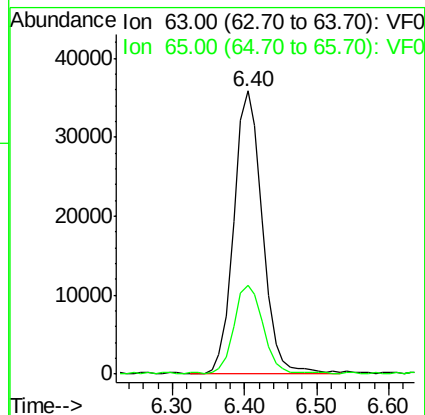
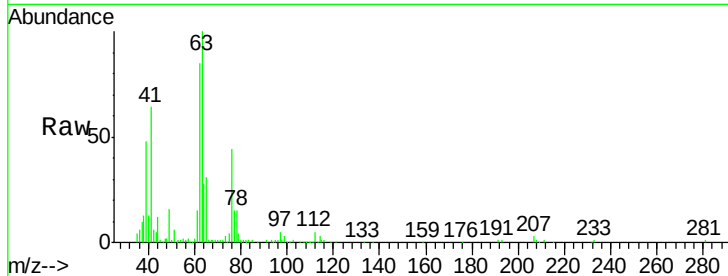
65 31.4 23.7 35.5

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#46

Dibromomethane

Concen: 20.752 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

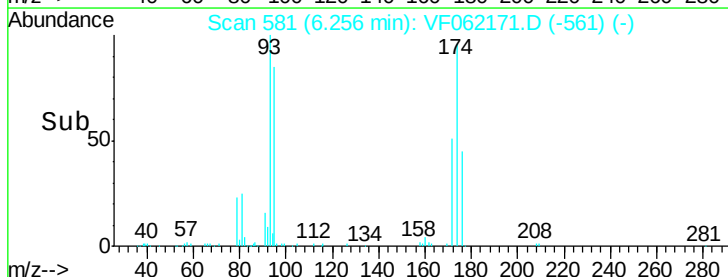
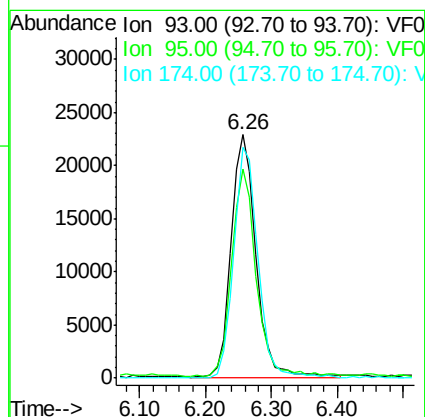
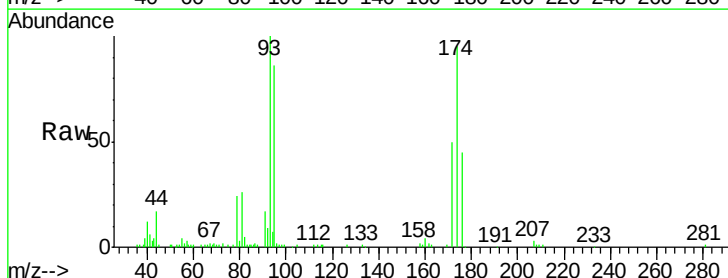
Tgt Ion: 93 Resp: 61531

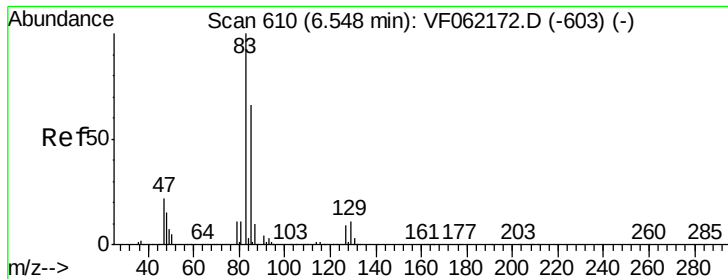
Ion Ratio Lower Upper

93 100

95 85.8 67.0 100.6

174 94.9 76.3 114.5





#47

Bromodichloromethane

Concen: 20.450 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF062171.D

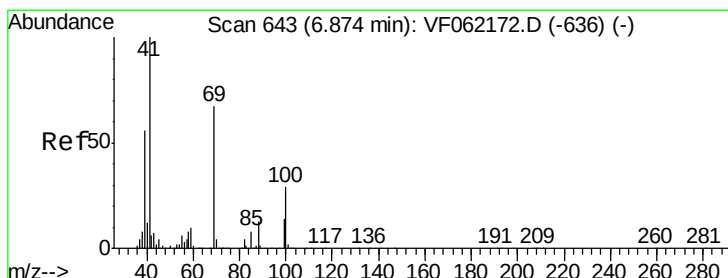
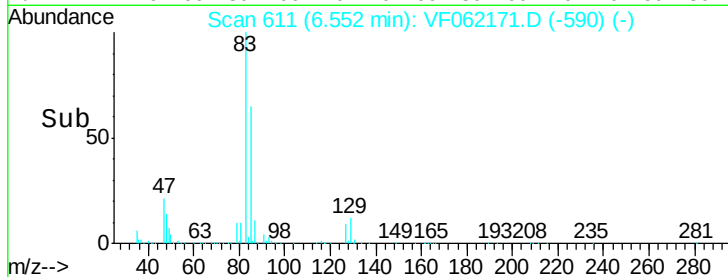
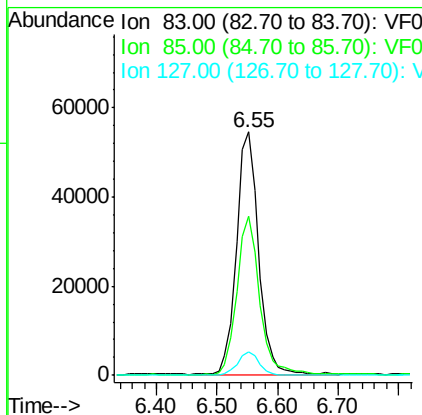
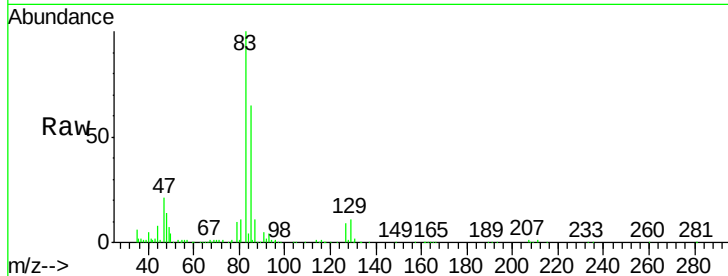
Acq: 16 Apr 2019 11:47

Tot Ion:	83	Resp:	137372
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	79.0
127	9.4	6.8	10.2

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

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#48

Methyl methacrylate

Concen: 19.469 ug/l

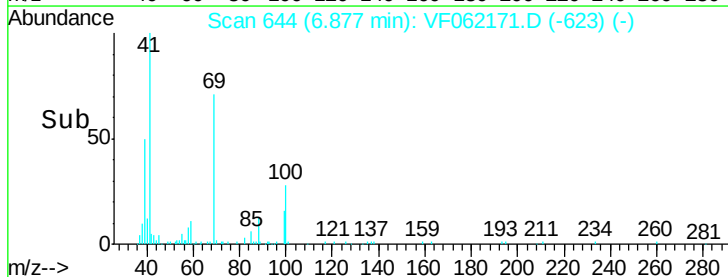
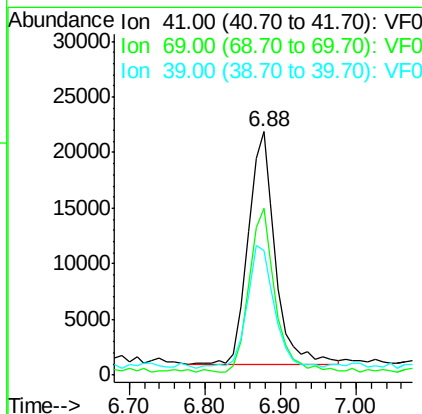
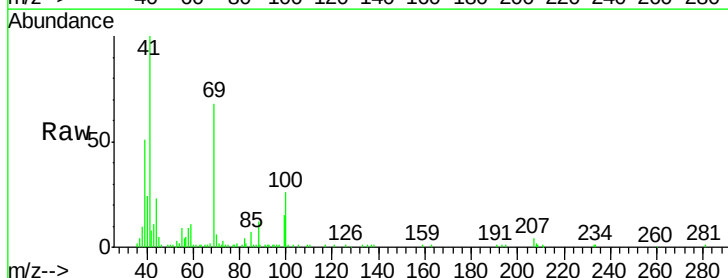
RT: 6.88 min Scan# 644

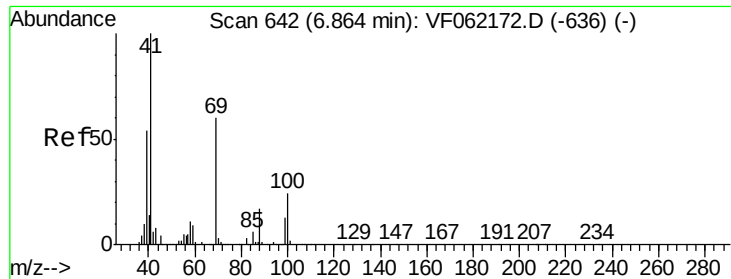
Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	41	Resp:	51493
Ion	Ratio	Lower	Upper
41	100		
69	68.5	52.8	79.2
39	50.9	45.0	67.4





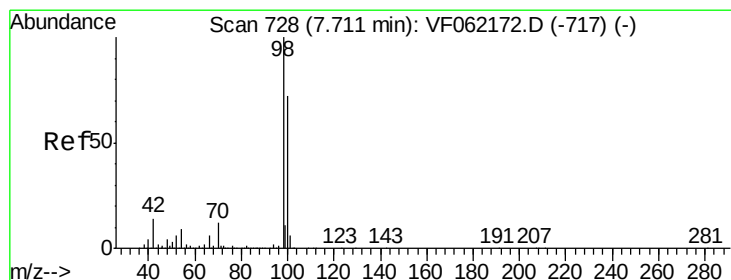
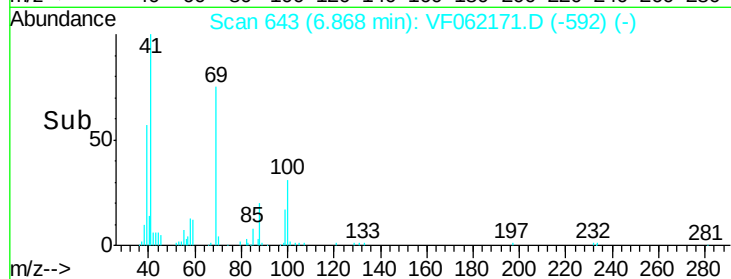
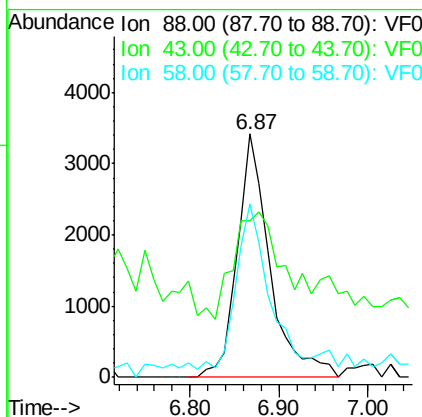
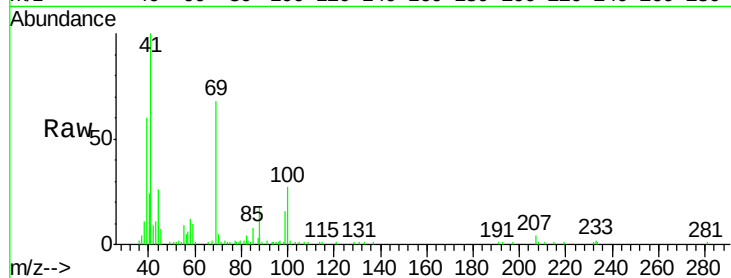
#49
1,4-Dioxane
Concen: 422.310 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	8704
Ion	Ratio	Lower	Upper
88	100		
43	64.4	49.5	74.3
58	71.1	52.6	79.0

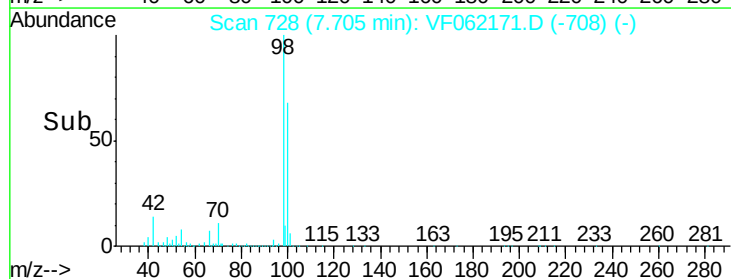
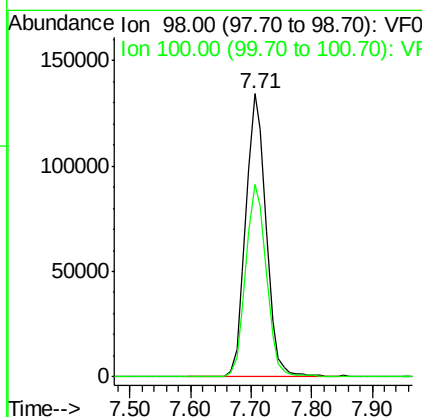
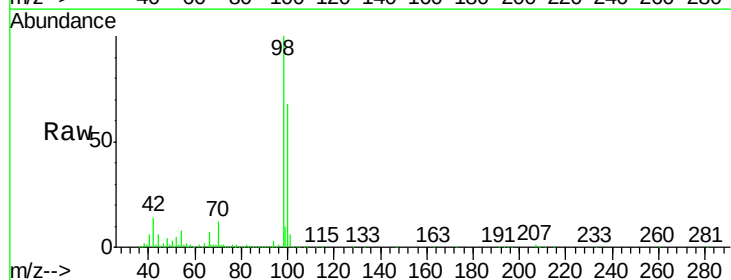
Manual Integrations
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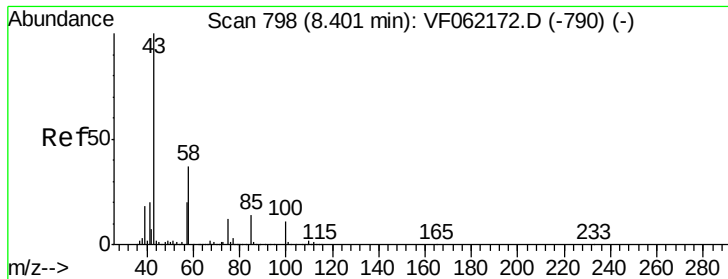
MMDadoda
4/17/2019 11:50:11 AM



#50
Toluene-d8
Concen: 20.040 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	98	Resp	315484
Ion	Ratio	Lower	Upper
98	100		
100	68.0	57.4	86.0





#51

4-Methyl-2-Pentanone

Concen: 111.696 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 347693

Ion Ratio Lower Upper

43 100

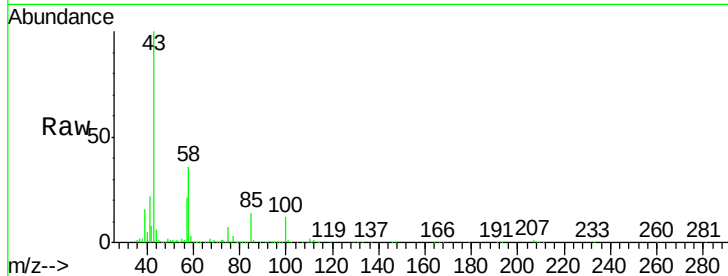
58 36.3 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

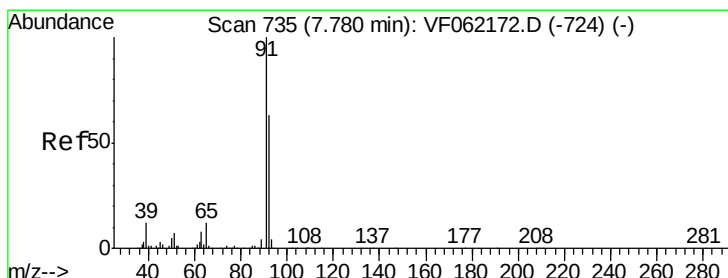
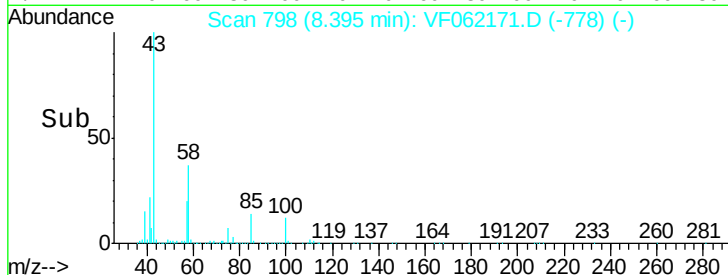
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.555 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062171.D

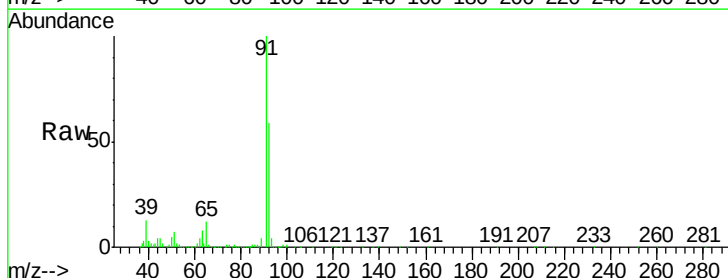
Acq: 16 Apr 2019 11:47

Tgt Ion: 92 Resp: 242032

Ion Ratio Lower Upper

92 100

91 169.3 126.9 190.3



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

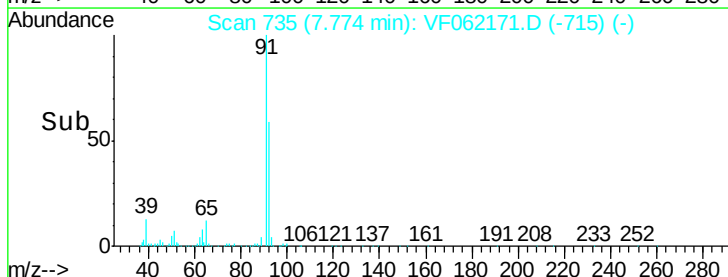
150000

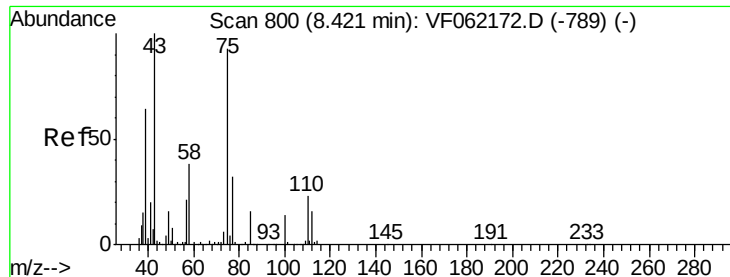
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.154 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tot Ion: 75 Resp: 123083

Ion Ratio Lower Upper

75 100

77 33.4 27.8 41.6

Instrument :

MSVOA_F

ClientSampleId :

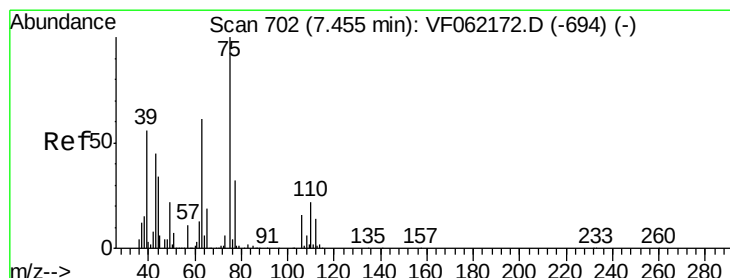
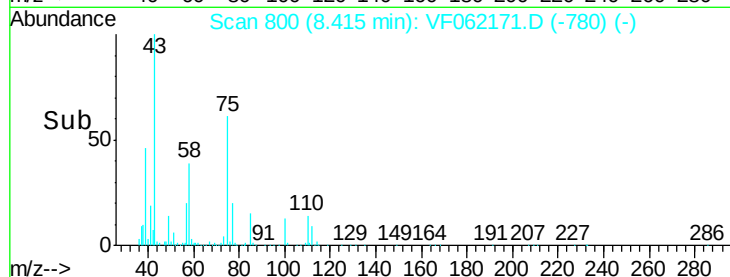
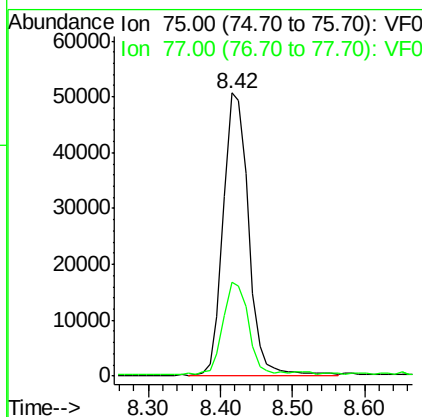
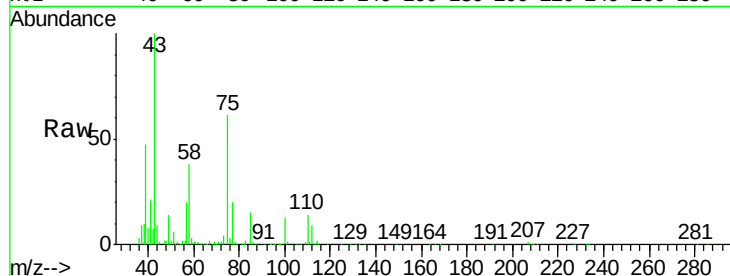
VSTDIC020

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#54

cis-1,3-Dichloropropene

Concen: 19.946 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

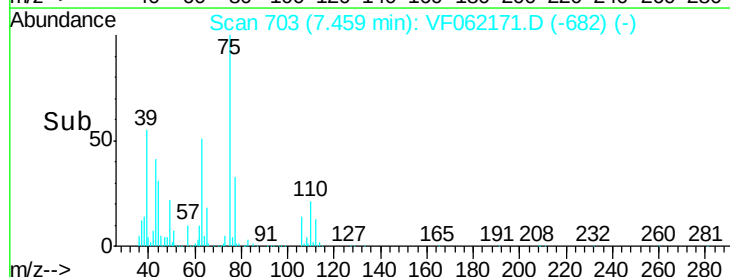
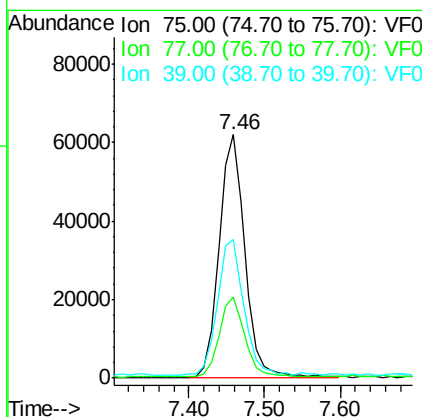
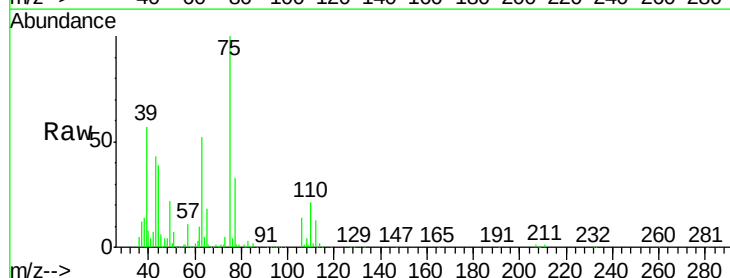
Tgt Ion: 75 Resp: 147571

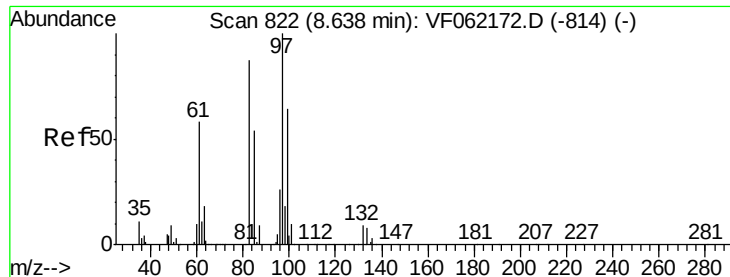
Ion Ratio Lower Upper

75 100

77 33.3 26.0 39.0

39 56.7 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 20.798 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

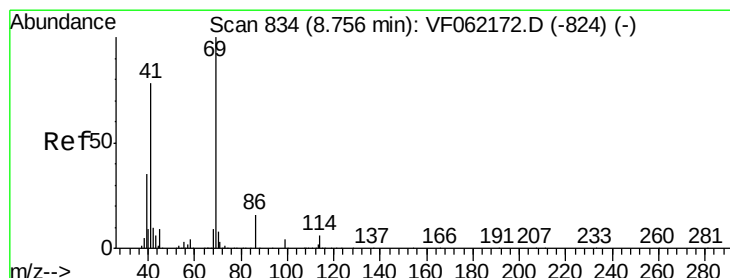
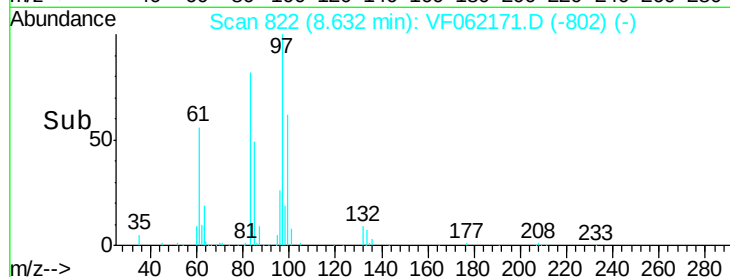
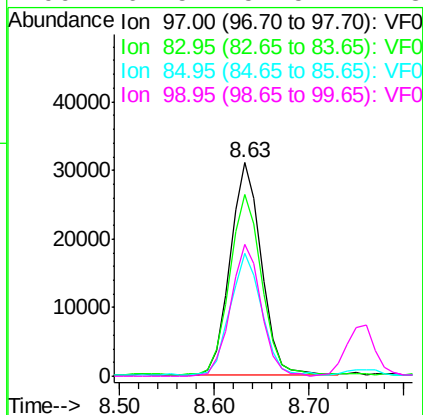
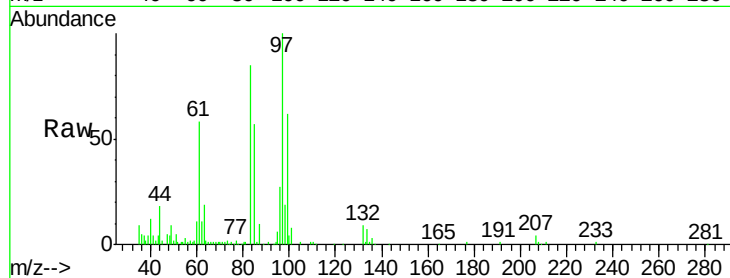
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	70138
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.6	104.4
85	57.5	43.5	65.3
99	61.5	51.5	77.3

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#56

Ethyl methacrylate

Concen: 21.385 ug/l

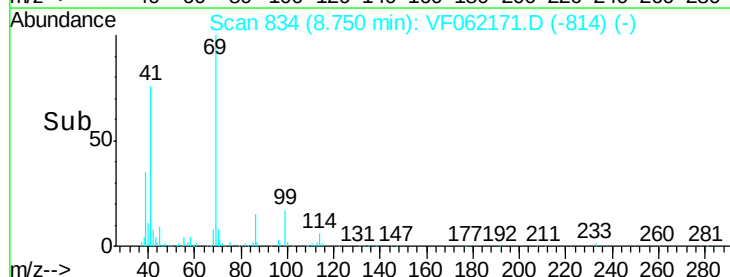
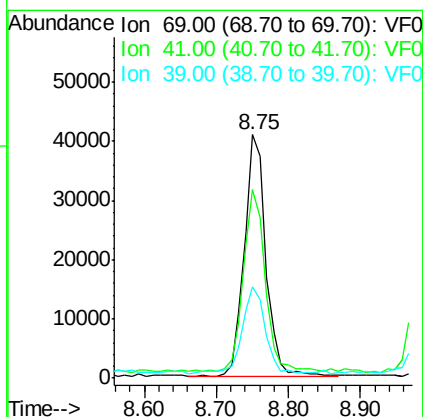
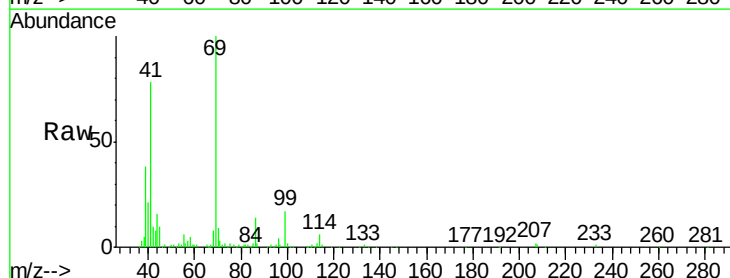
RT: 8.75 min Scan# 834

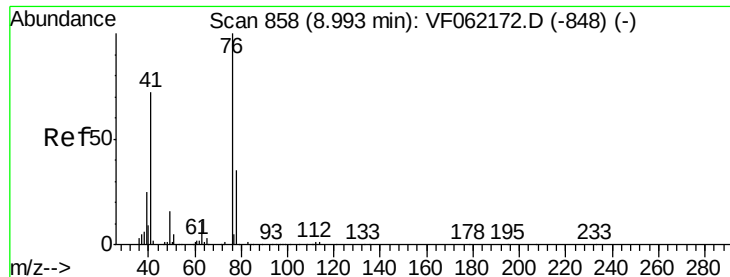
Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	69	Resp:	85754
Ion	Ratio	Lower	Upper
69	100		
41	77.6	63.4	95.0
39	37.5	29.0	43.6





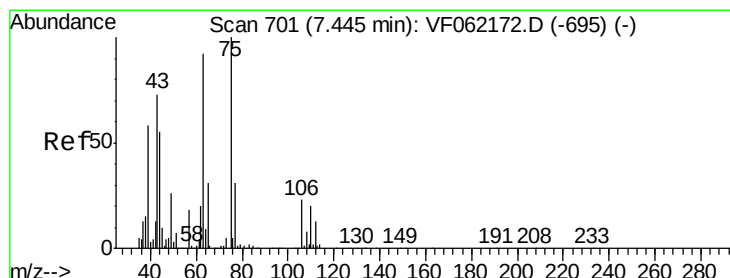
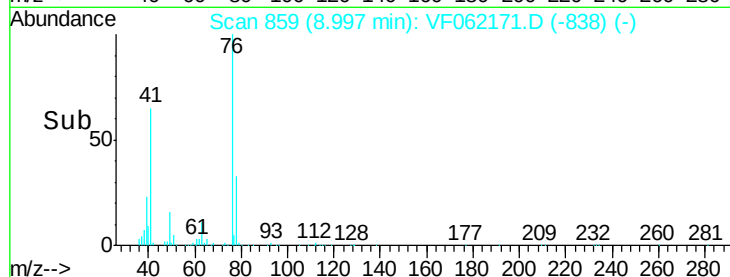
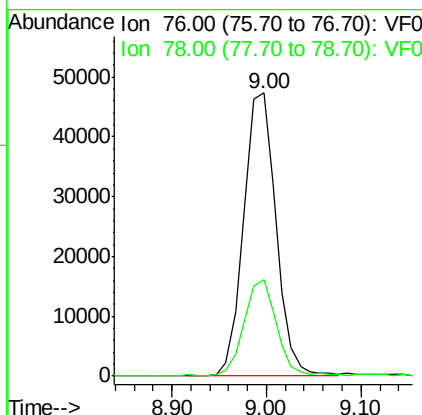
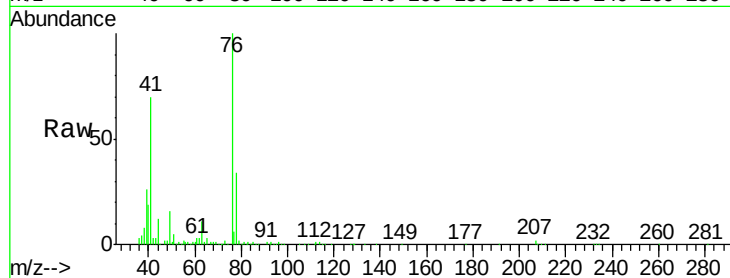
#57
 1,3-Dichloropropane
 Concen: 20.350 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.0	28.2	42.2

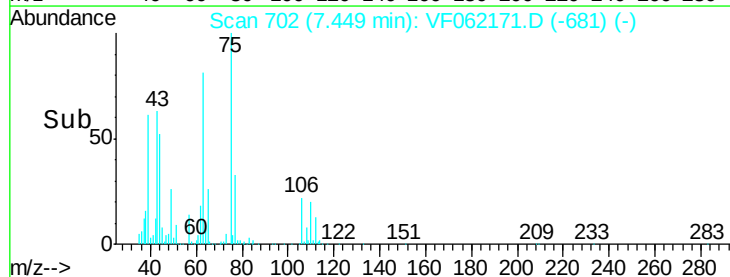
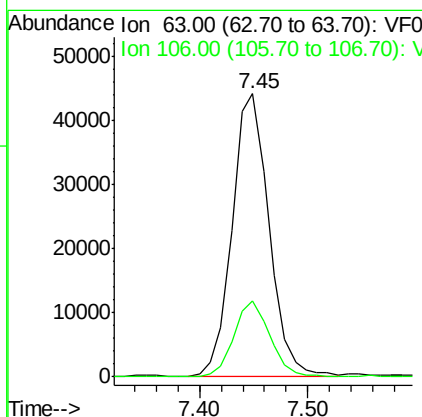
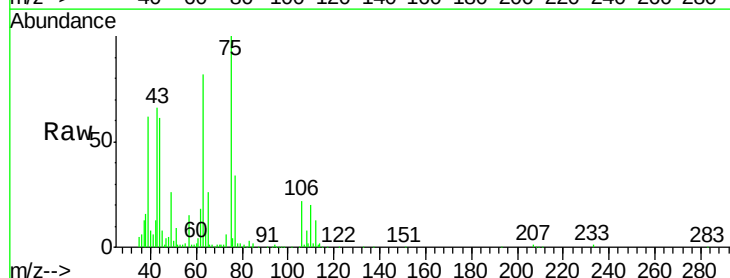
Manual Integrations
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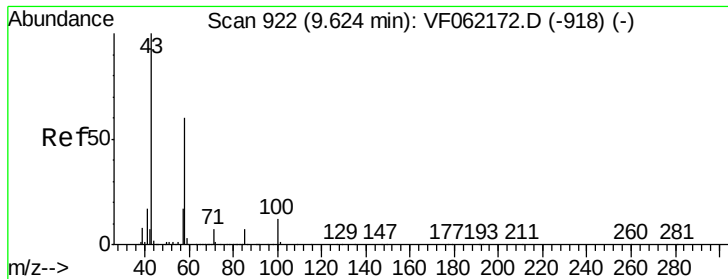
MMDadoda
 4/17/2019 11:50:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.569 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	20.2	30.4





#59

2-Hexanone

Concen: 98.554 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 195243

Ion Ratio Lower Upper

43 100

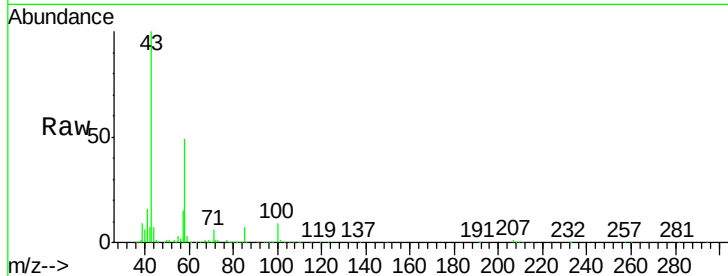
58 49.2 26.8 80.4

Manual Integrations

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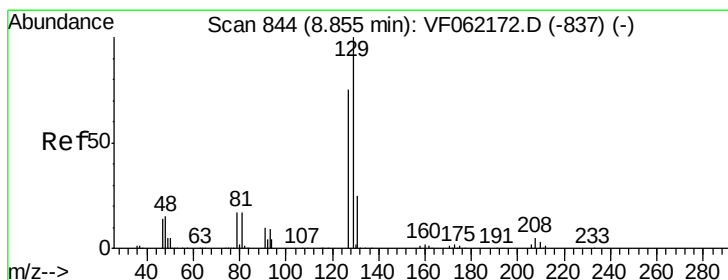
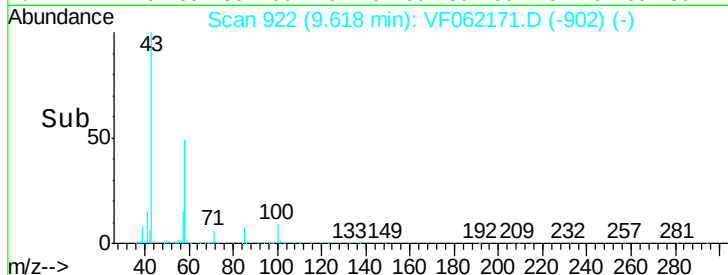
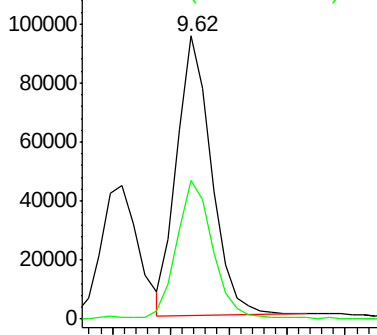
MMDadoda

4/17/2019 11:50:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 20.982 ug/l

RT: 8.86 min Scan# 845

Delta R.T. 0.00 min

Lab File: VF062171.D

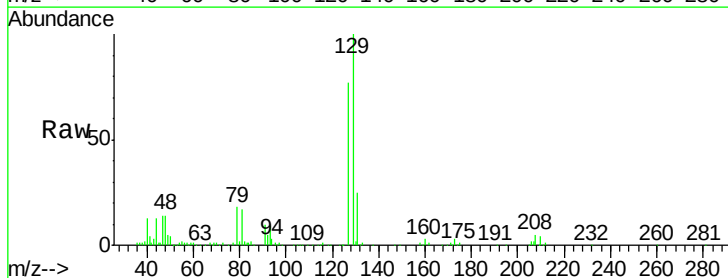
Acq: 16 Apr 2019 11:47

Tgt Ion: 129 Resp: 97354

Ion Ratio Lower Upper

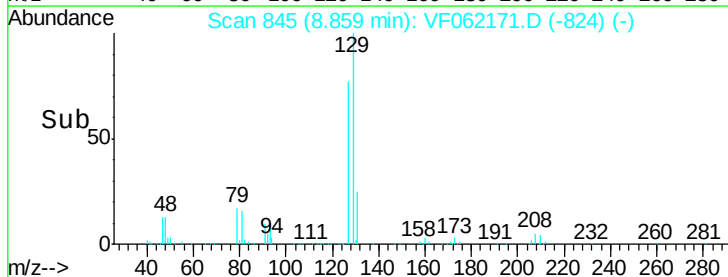
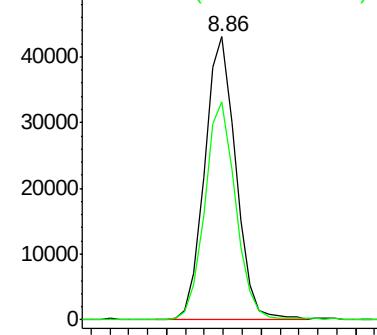
129 100

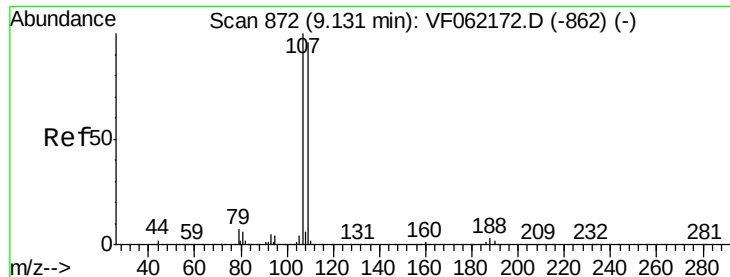
127 76.9 37.7 113.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 20.019 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 72227

Ion Ratio Lower Upper

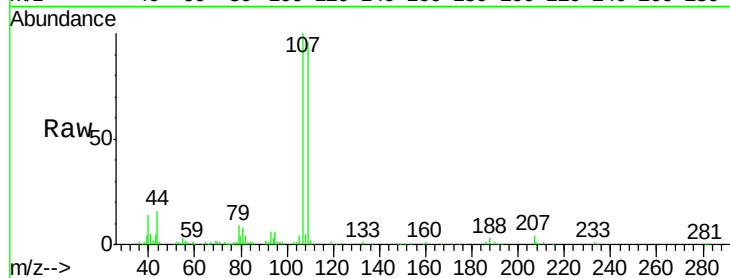
107 100

109 96.0 76.8 115.2

Manual Integrations
APPROVED

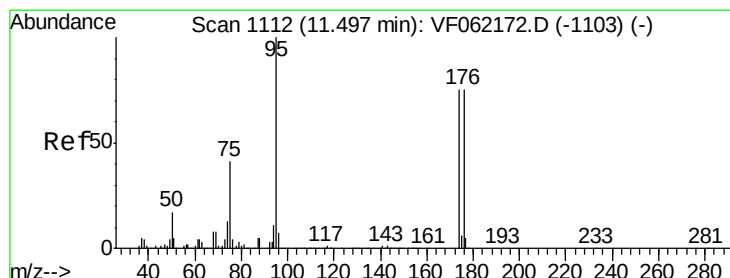
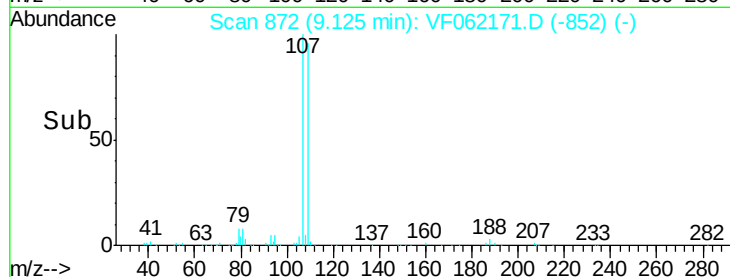
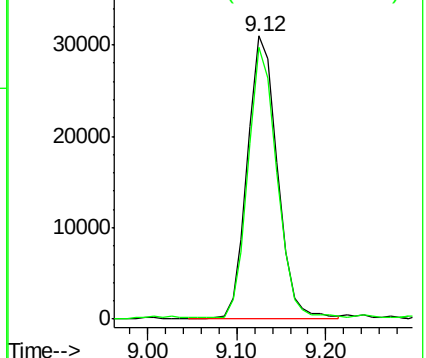
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 21.146 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

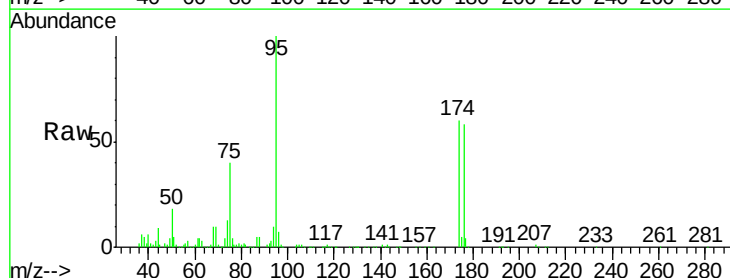
Tgt Ion: 95 Resp: 131459

Ion Ratio Lower Upper

95 100

174 59.8 0.0 150.2

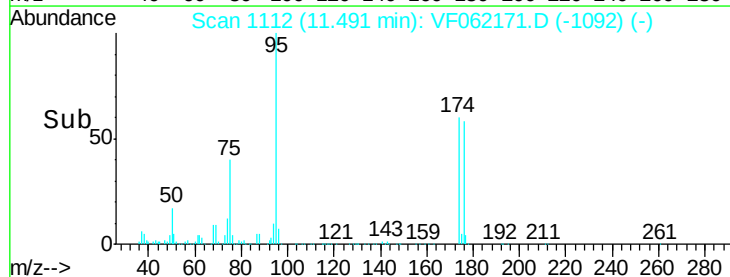
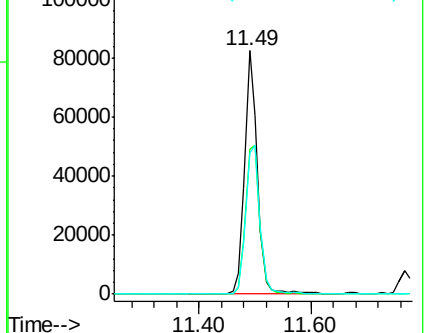
176 57.9 0.0 149.4

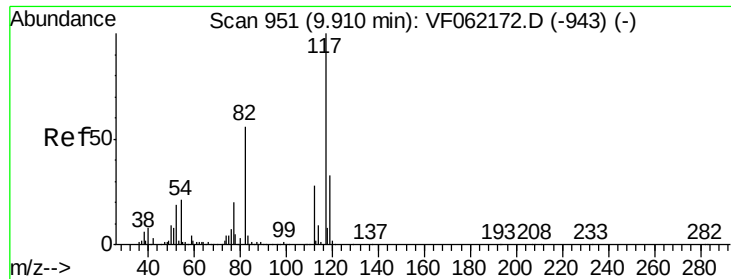


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





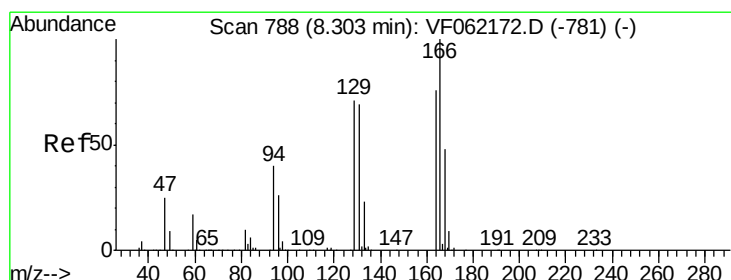
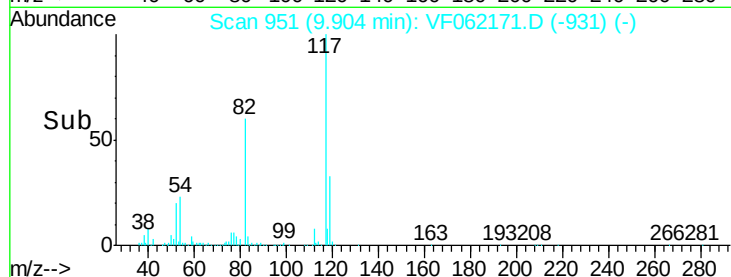
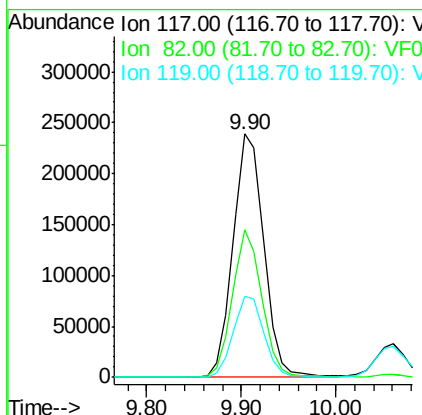
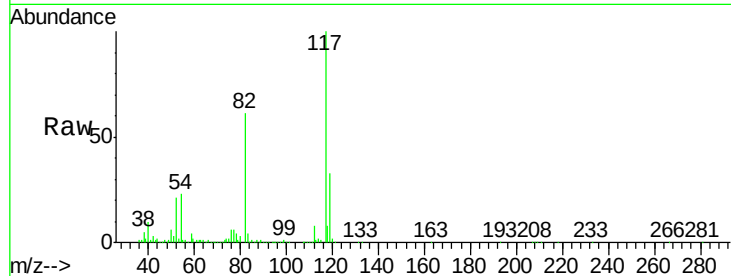
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	45.2	67.8
119	33.4	26.6	39.8

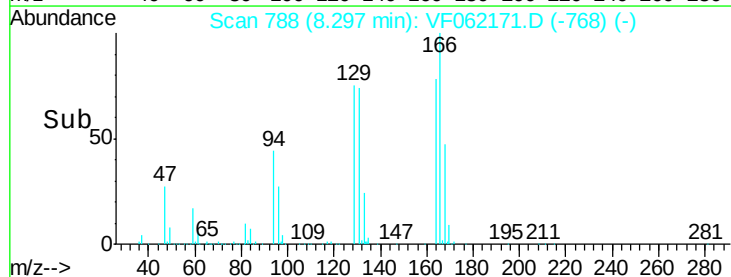
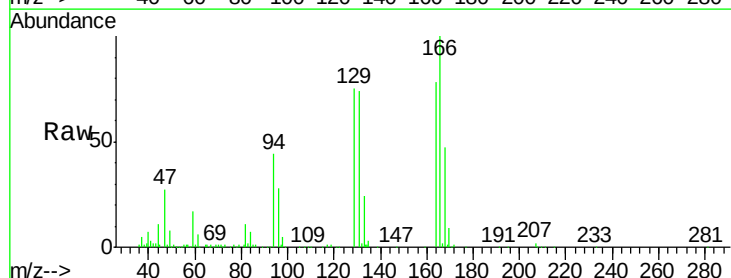
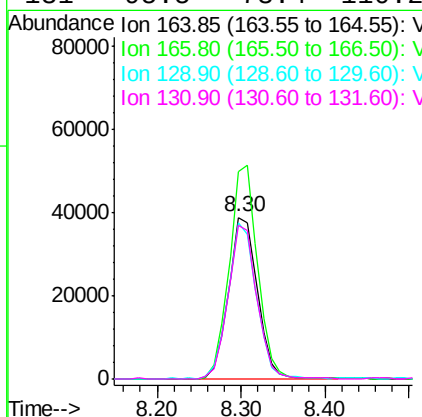
Manual Integrations
APPROVED

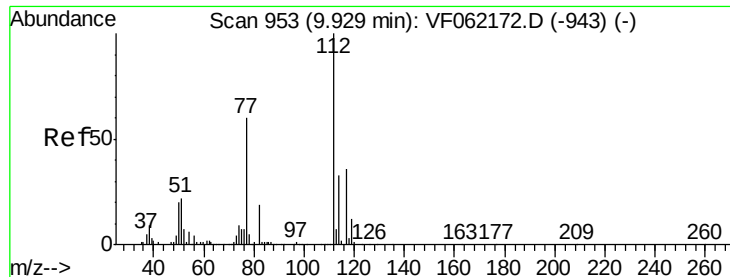
MMDadoda
4/17/2019 11:50:11 AM



#64
Tetrachloroethene
Concen: 21.189 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	105.9	158.9
129	96.7	75.3	112.9
131	95.5	73.4	110.2





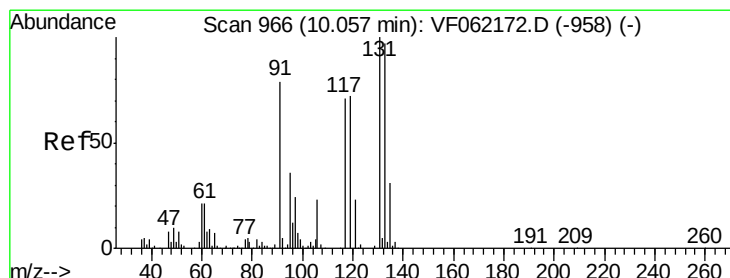
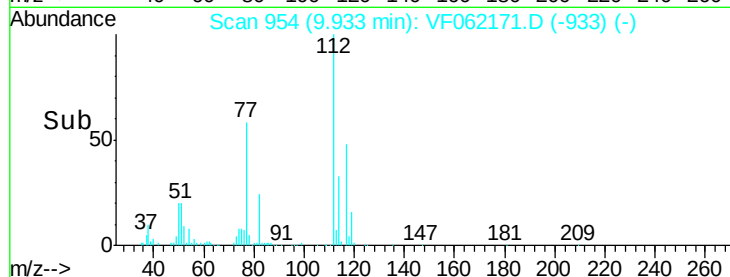
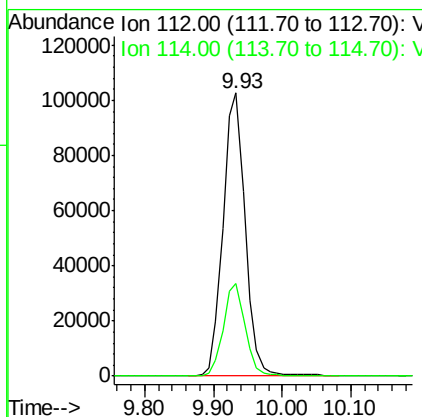
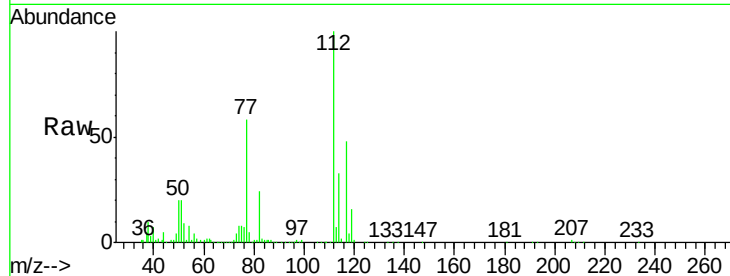
#65
Chlorobenzene
Concen: 20.477 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.6	39.8

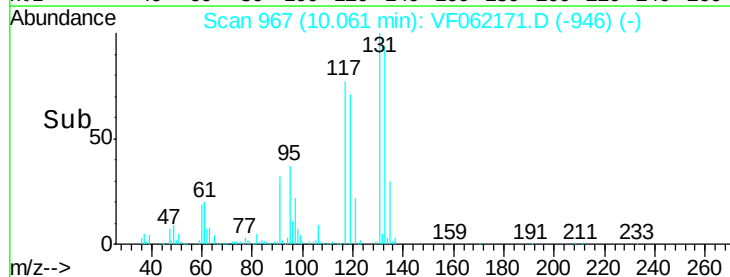
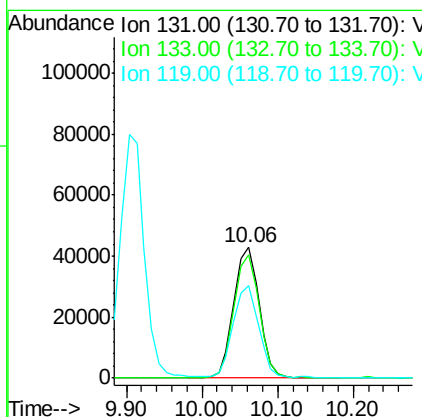
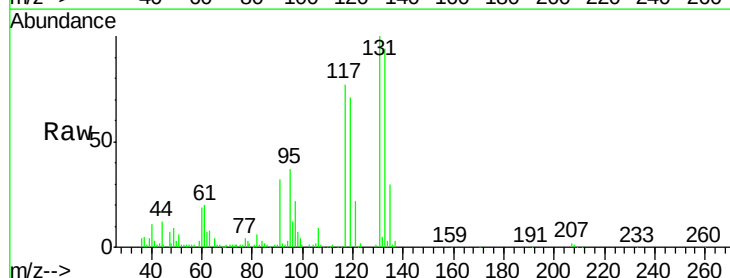
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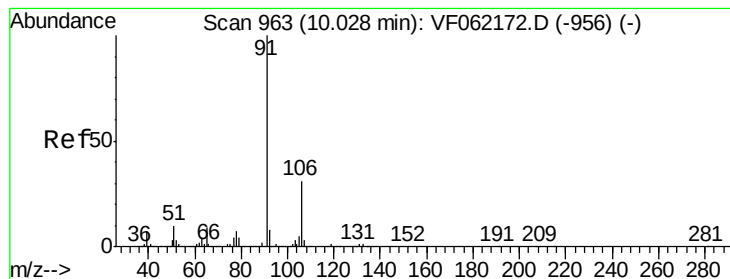
MMDadoda
4/17/2019 11:50:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.639 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	48.4	145.2
119	71.3	36.3	108.9





#67

Ethyl Benzene

Concen: 21.054 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 438092

Ion Ratio Lower Upper

91 100

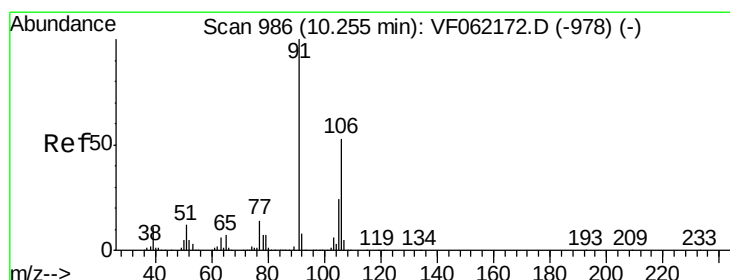
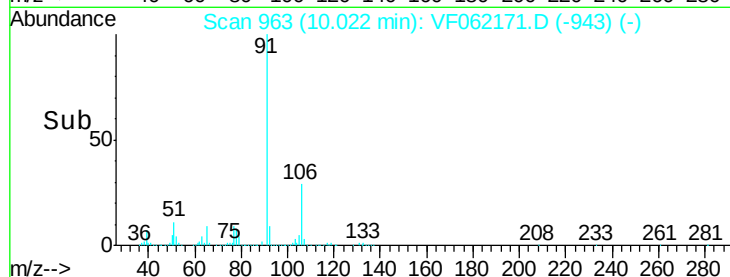
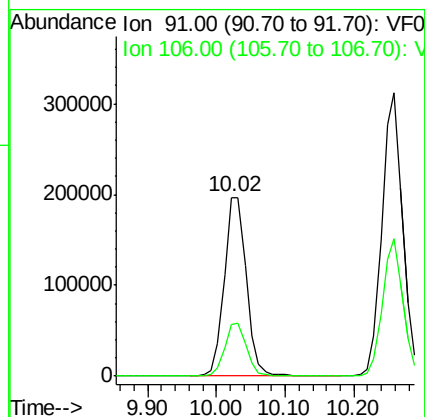
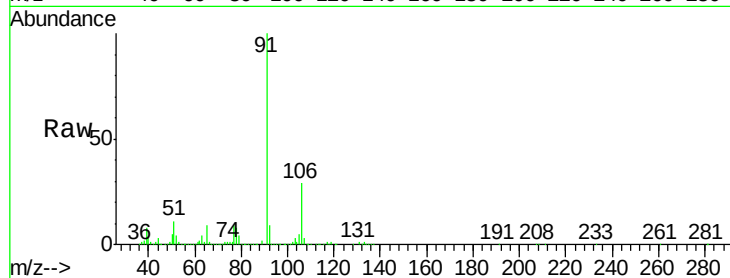
106 28.7 24.7 37.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.147 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF062171.D

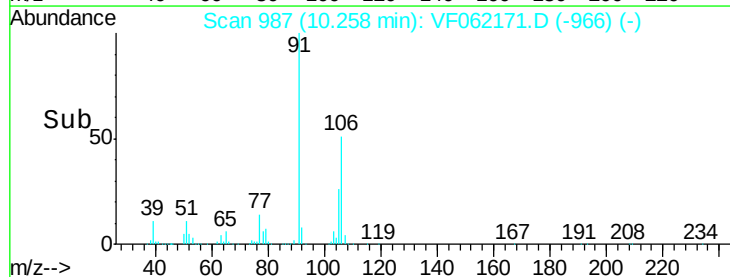
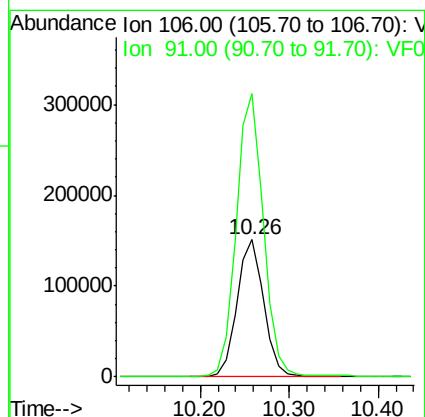
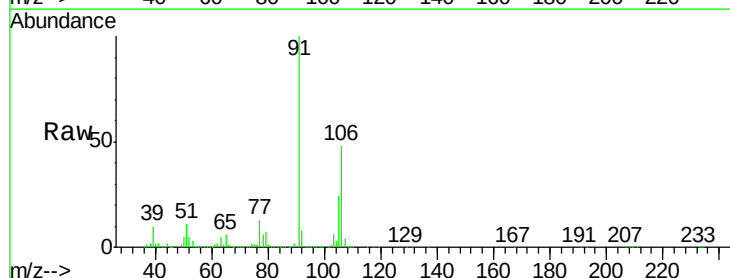
Acq: 16 Apr 2019 11:47

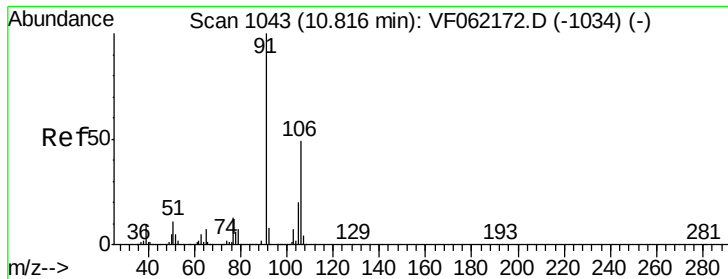
Tgt Ion: 106 Resp: 315244

Ion Ratio Lower Upper

106 100

91 206.2 151.7 227.5





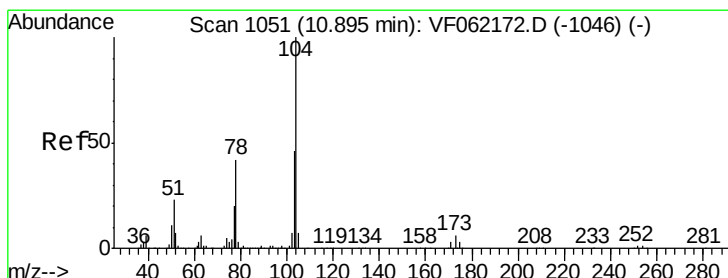
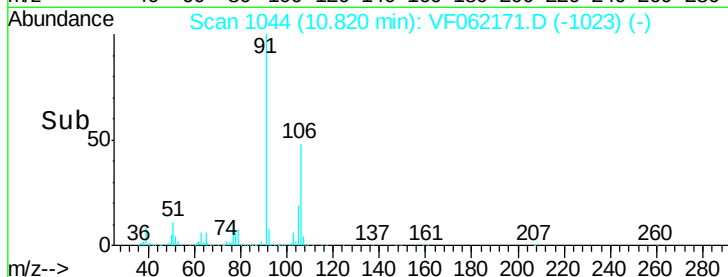
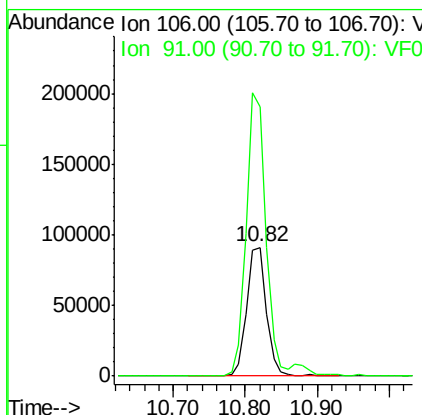
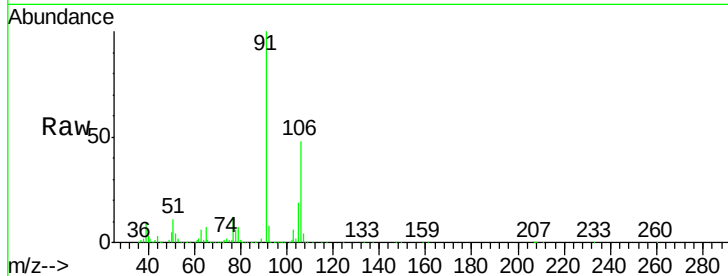
#69
o-Xylene
Concen: 21.249 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		176218		
91	209.2	101.9	305.7		

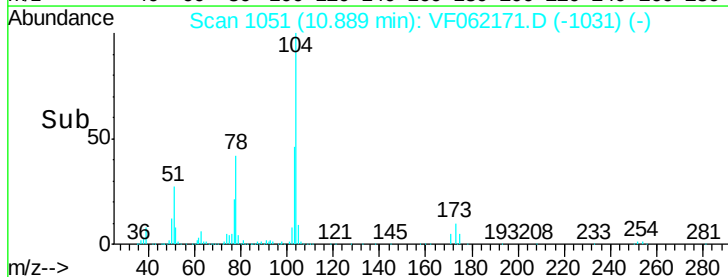
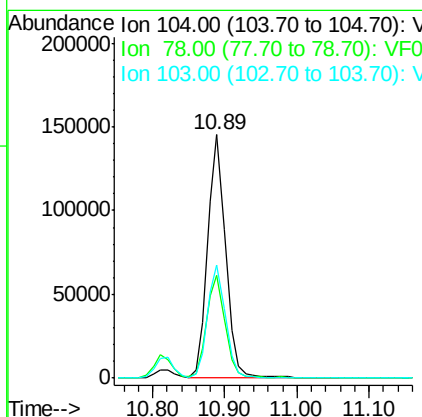
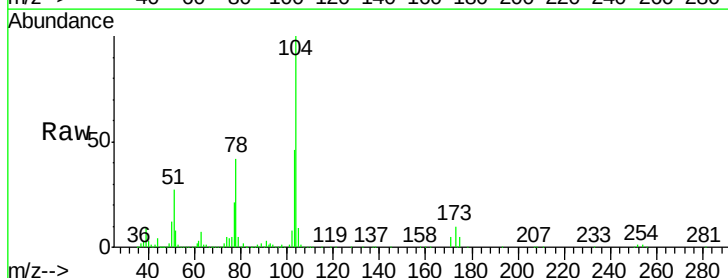
Manual Integrations
APPROVED

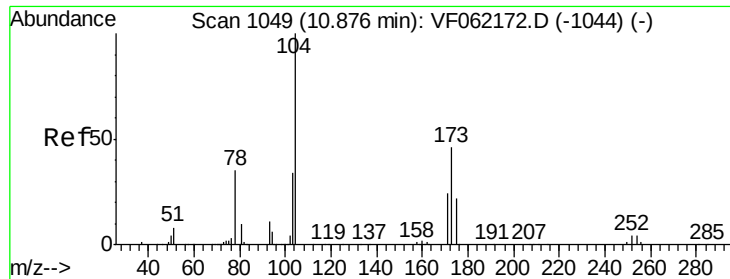
MMDadoda
4/17/2019 11:50:11 AM



#70
Styrene
Concen: 20.676 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		249262		
78	42.3	33.7	50.5		
103	46.4	37.2	55.8		





#71

Bromoform

Concen: 20.976 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

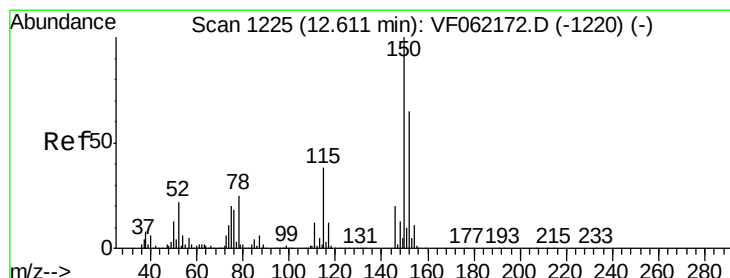
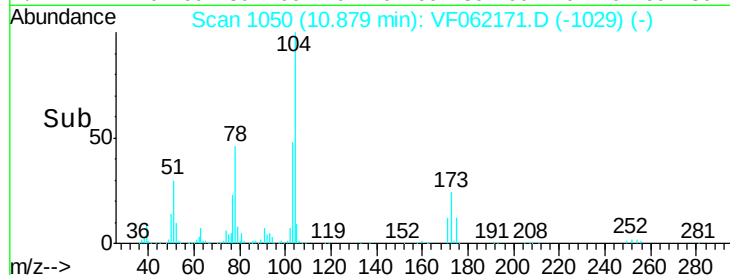
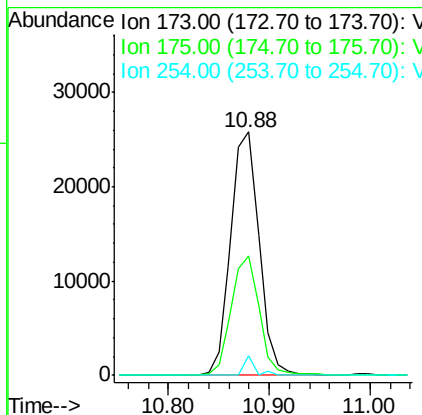
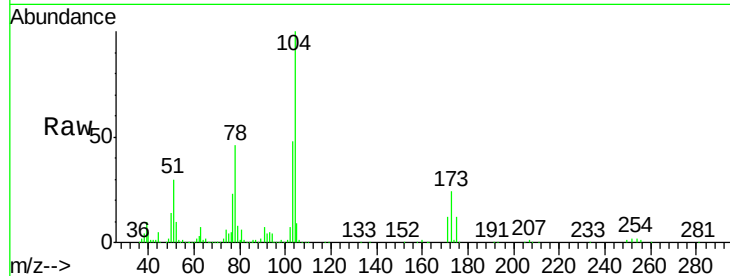
ClientSampleId :

VSTDIC020

Tot Ion:	173	Resp:	50908
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.3	72.8
254	8.2	6.6	9.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

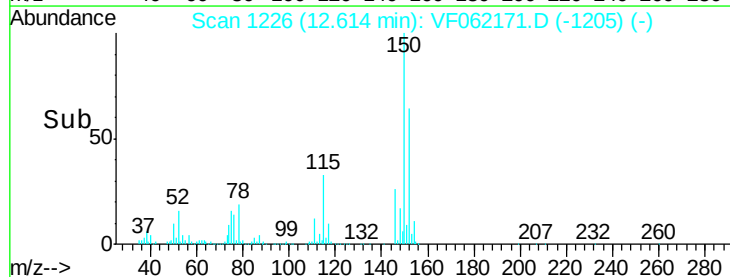
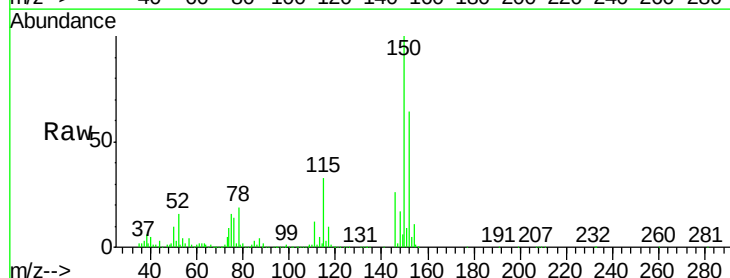
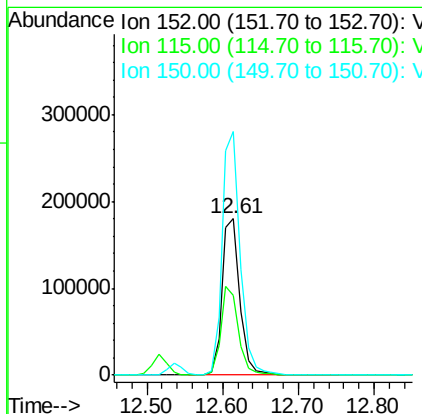
RT: 12.61 min Scan# 1226

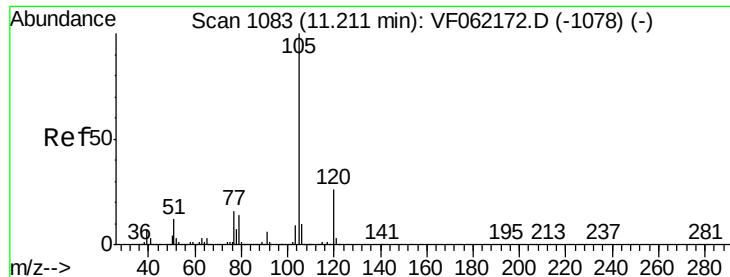
Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	152	Resp:	293965
Ion Ratio	Lower	Upper	
152	100		
115	51.3	29.0	87.1
150	156.1	0.0	309.2





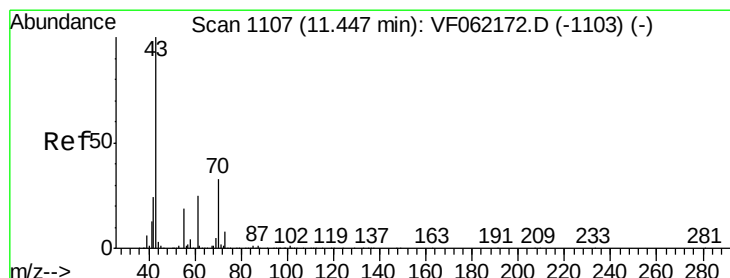
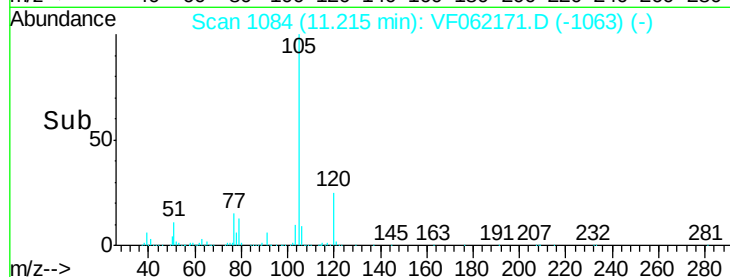
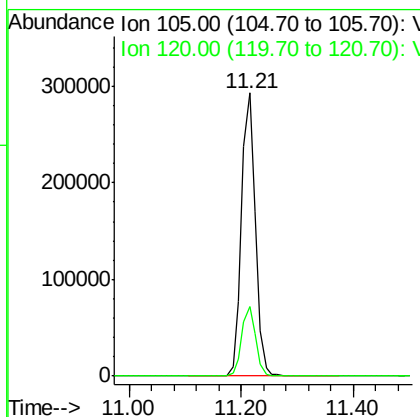
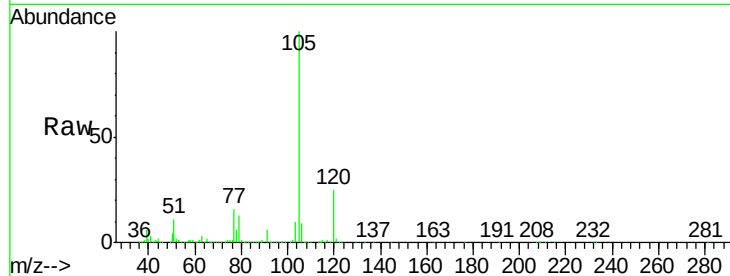
#73
Isopropylbenzene
Concen: 19.887 ug/l
RT: 11.21 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.7	13.0	38.9

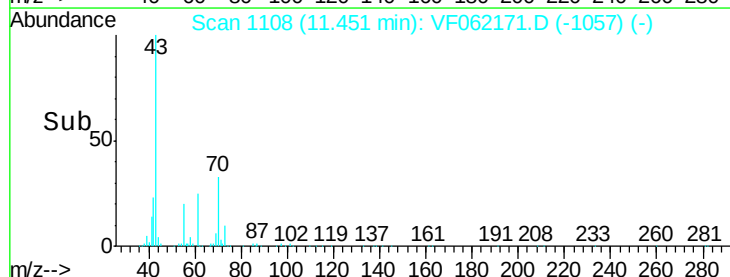
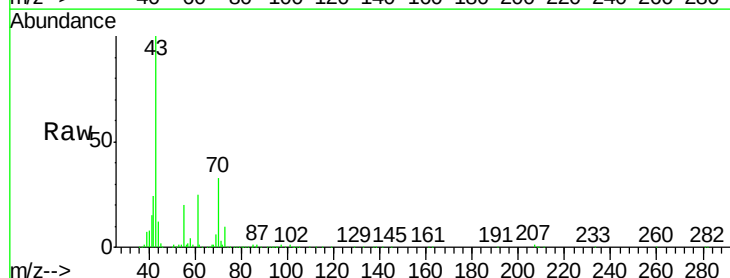
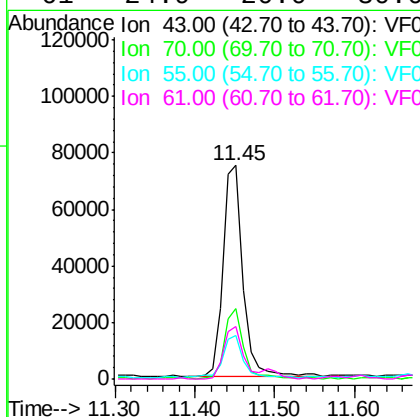
Manual Integrations
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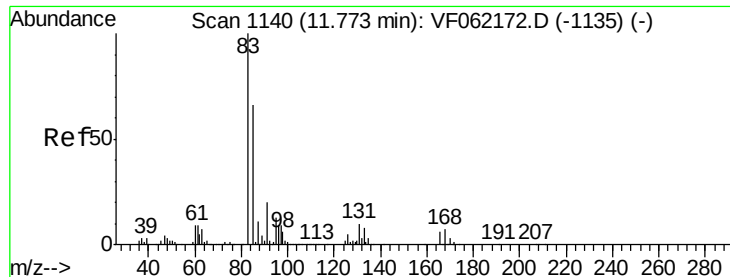
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#74
N-ethyl acetate
Concen: 19.831 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	32.8	26.6	39.8
55	20.3	15.0	22.6
61	24.9	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.925 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

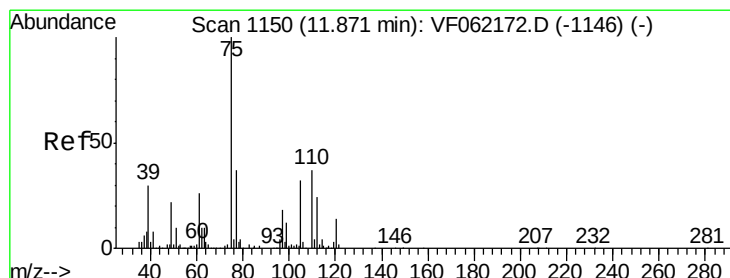
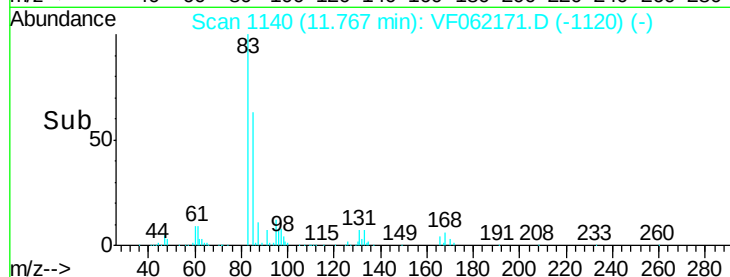
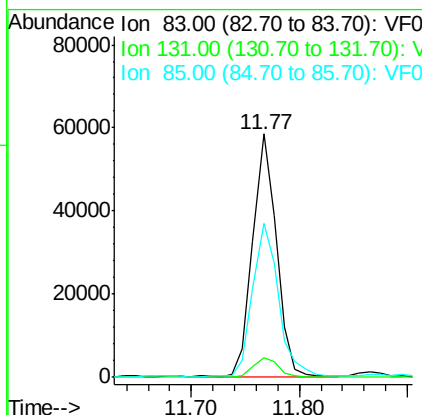
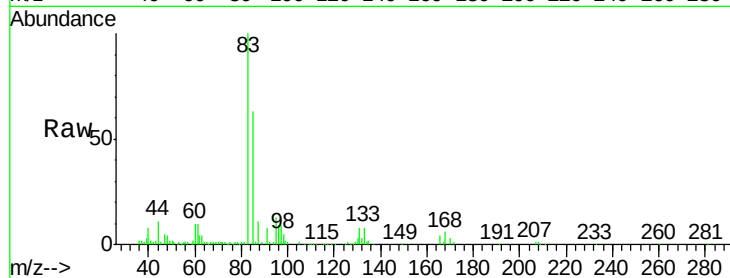
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	89891
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.8	14.4
85	63.4	33.2	99.6

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



#76

1,2,3-Trichloropropane

Concen: 19.193 ug/l

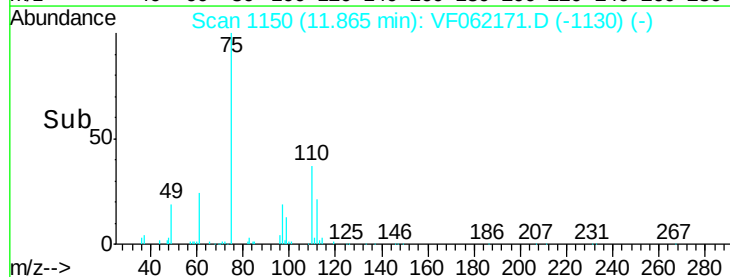
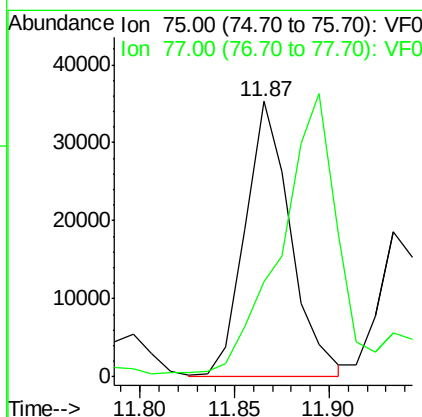
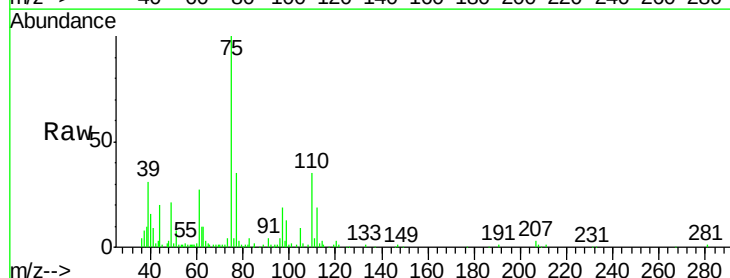
RT: 11.87 min Scan# 1150

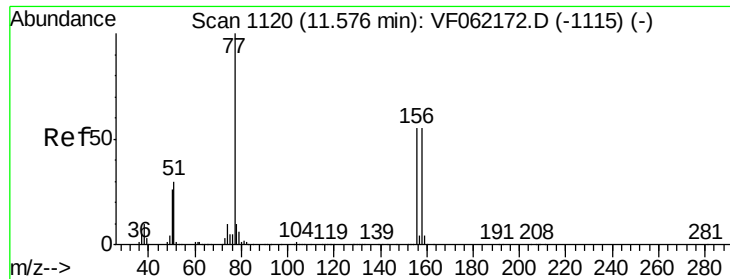
Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	75	Resp:	58669
Ion Ratio	Lower	Upper	
75	100		
77	34.5	18.7	56.1





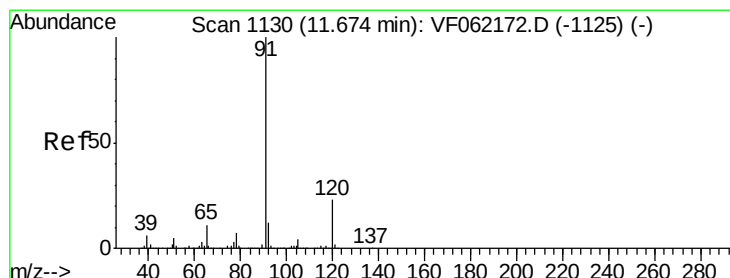
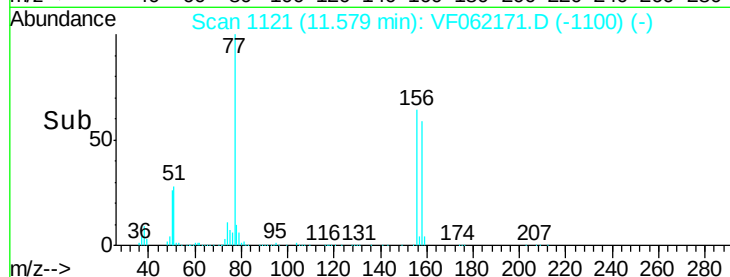
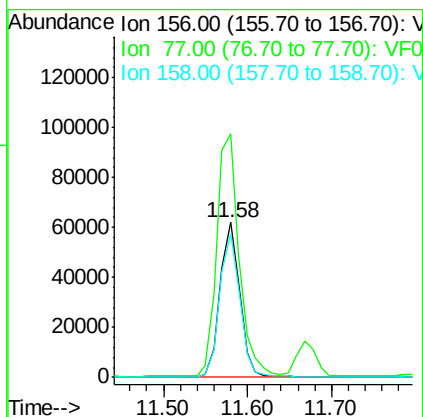
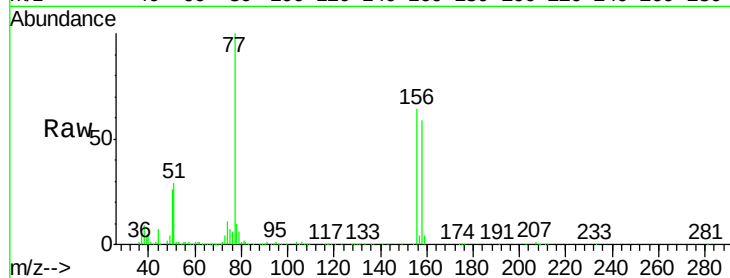
#77
Bromobenzene
Concen: 19.417 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.2	91.1	273.4
158	93.1	50.1	150.4

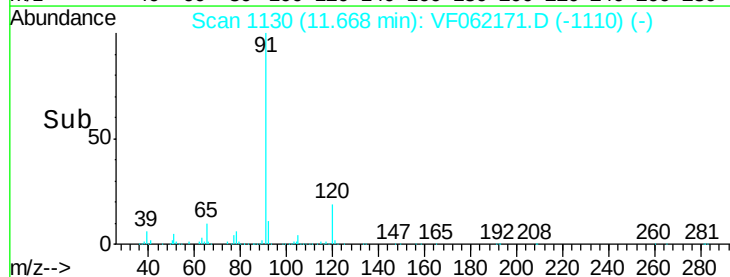
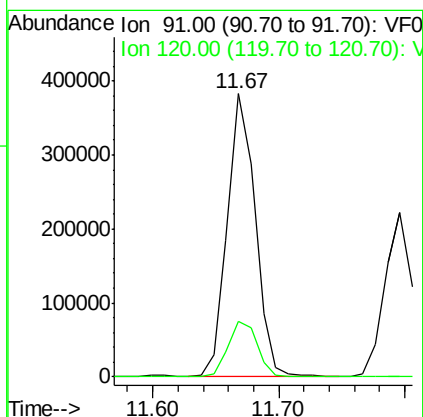
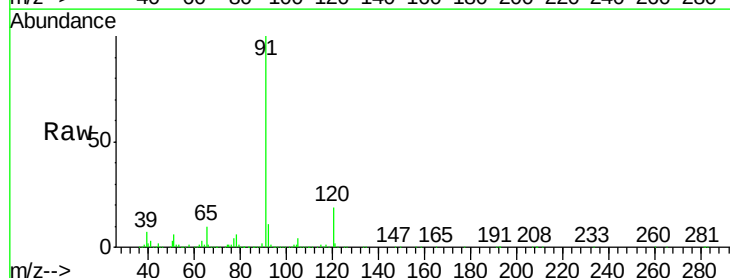
Manual Integrations
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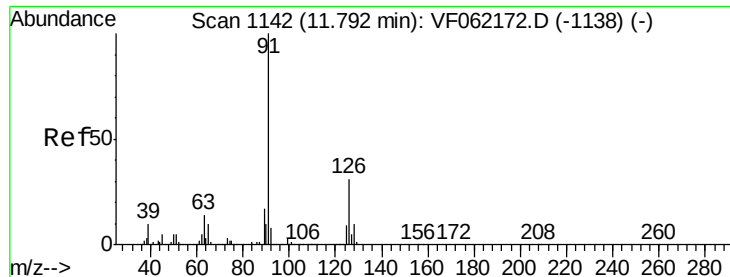
MMDadoda
4/17/2019 11:50:11 AM



#78
n-propylbenzene
Concen: 20.326 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.4	11.6	34.7





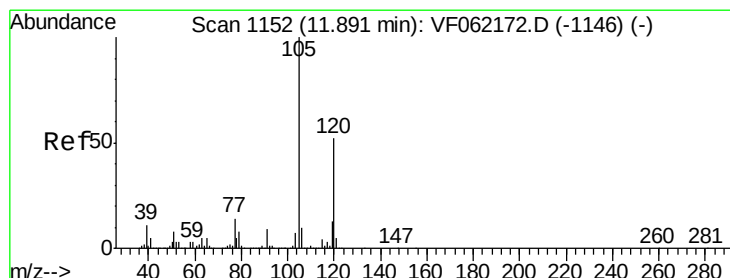
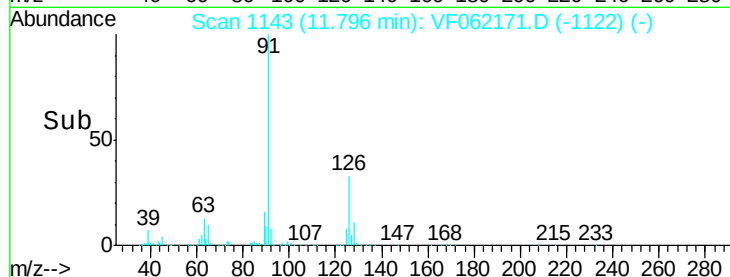
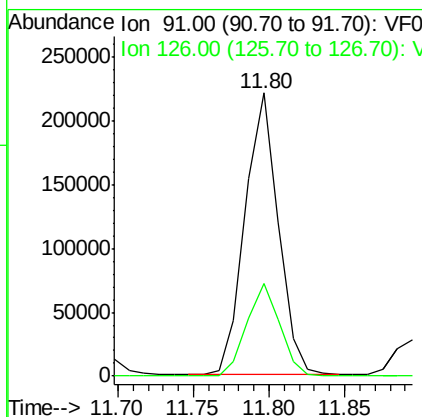
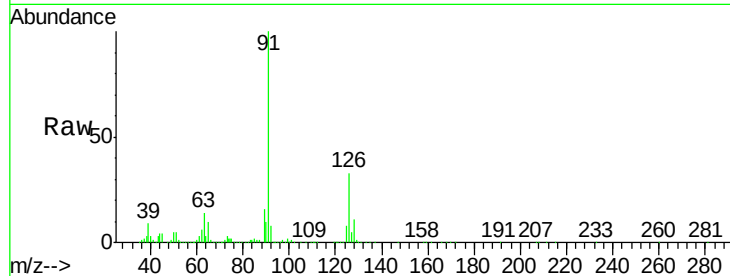
#79
2-Chlorotoluene
Concen: 20.041 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	32.6	15.6	46.8	

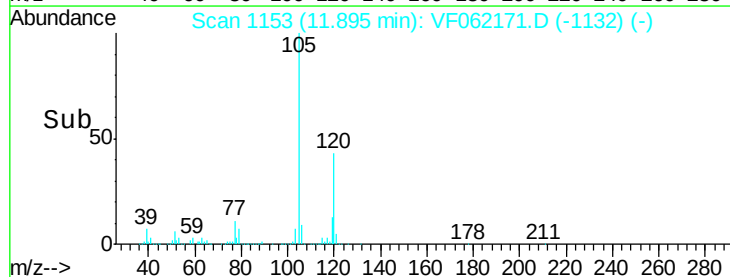
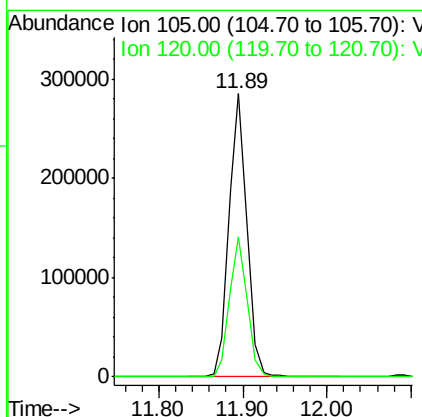
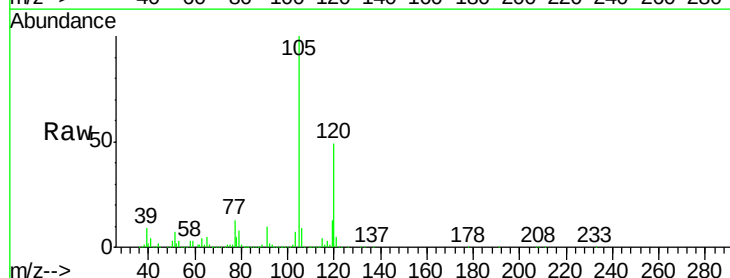
Manual Integrations
APPROVED

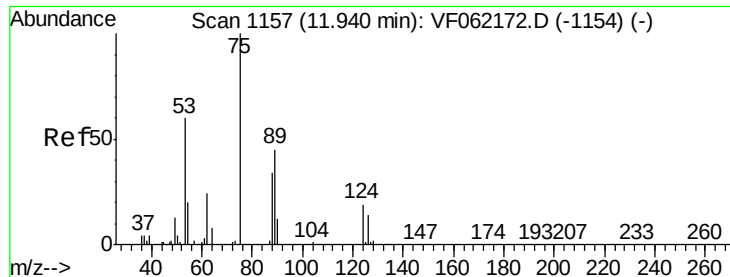
MMDadoda
4/17/2019 11:50:11 AM



#80
1,3,5-Trimethylbenzene
Concen: 19.786 ug/l
RT: 11.89 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	49.4	25.9	77.7	





#81

trans-1,4-Dichloro-2-butene

Concen: 17.846 ug/l m

RT: 11.93 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

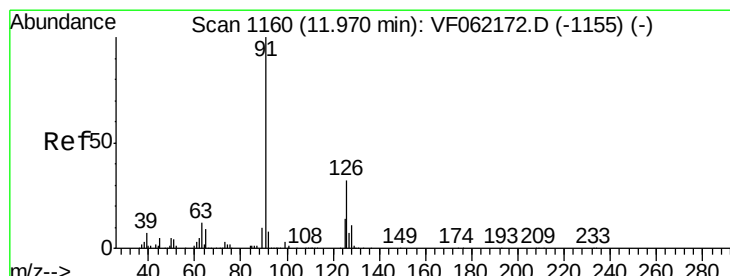
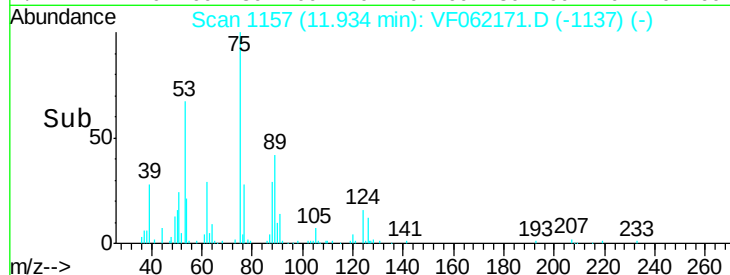
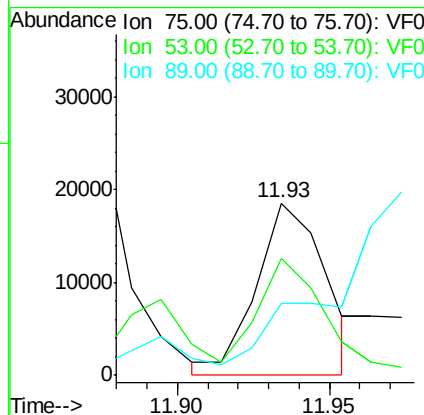
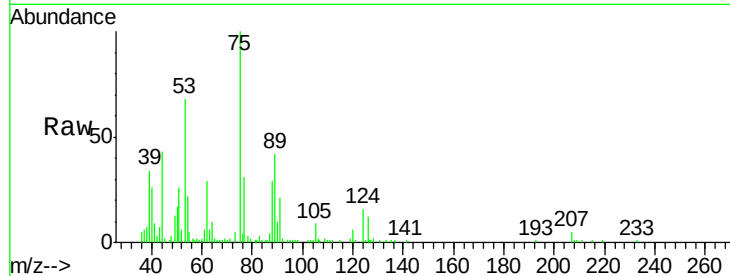
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	29355
Ion	Ratio	Lower	Upper
75	100		
53	67.9	53.4	80.0
89	42.1	38.7	58.1

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



#82

4-Chlorotoluene

Concen: 19.559 ug/l

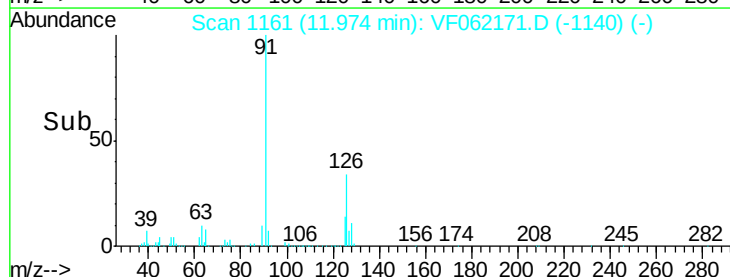
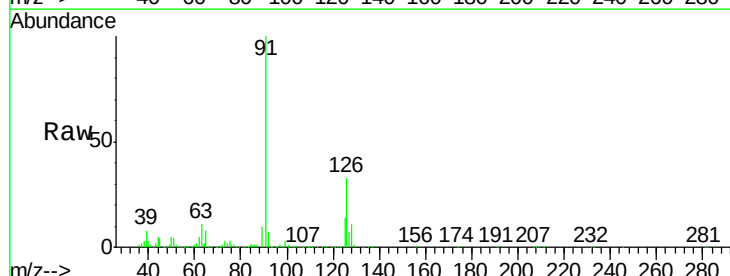
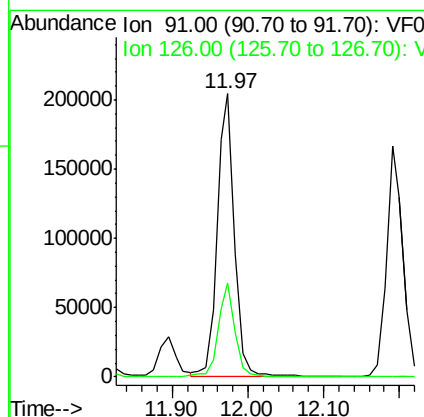
RT: 11.97 min Scan# 1161

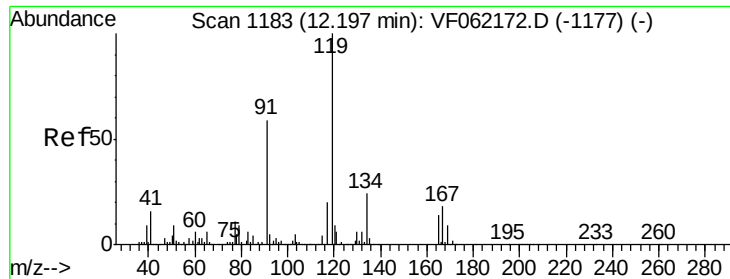
Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	91	Resp:	325242
Ion	Ratio	Lower	Upper
91	100		
126	33.3	15.9	47.7





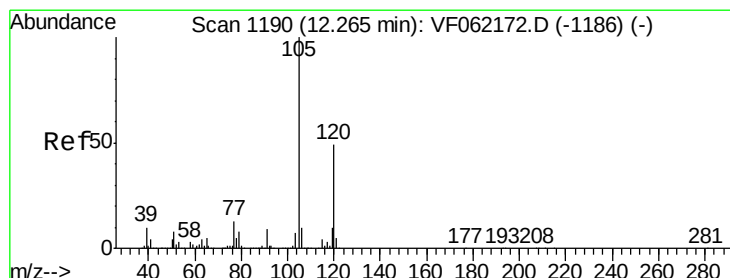
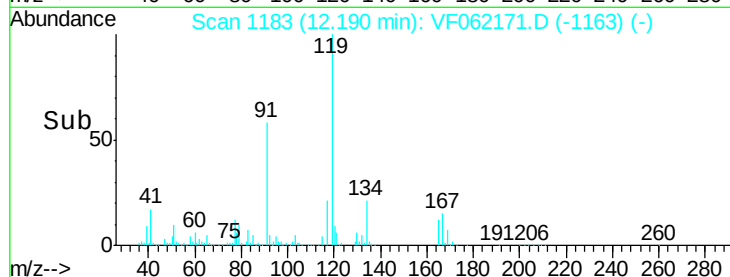
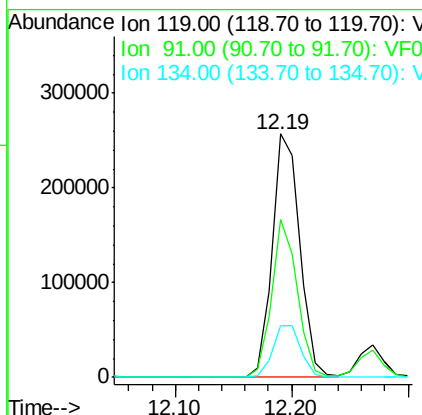
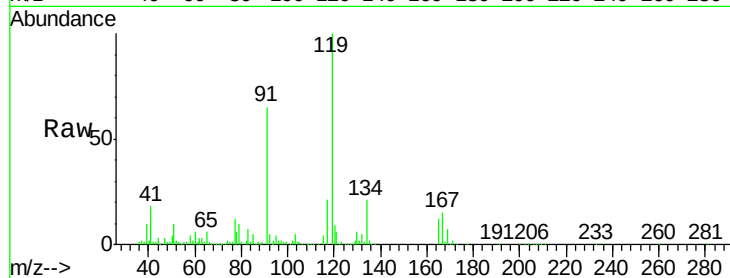
#83
 tert-Butylbenzene
 Concen: 20.013 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	29.5	88.5
134	21.3	12.0	36.1

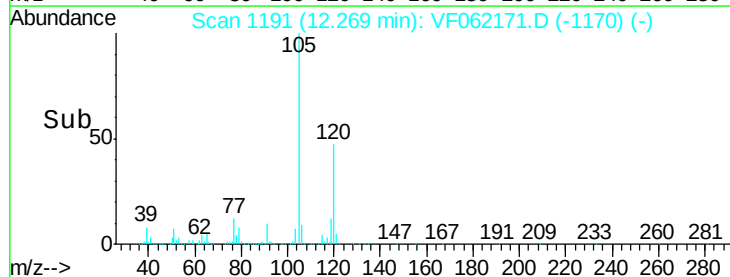
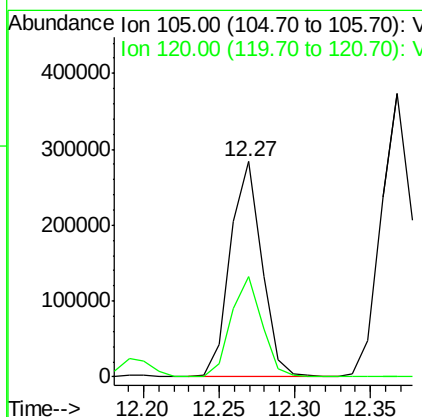
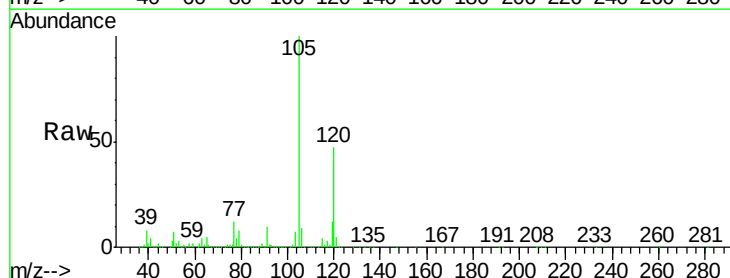
Manual Integrations
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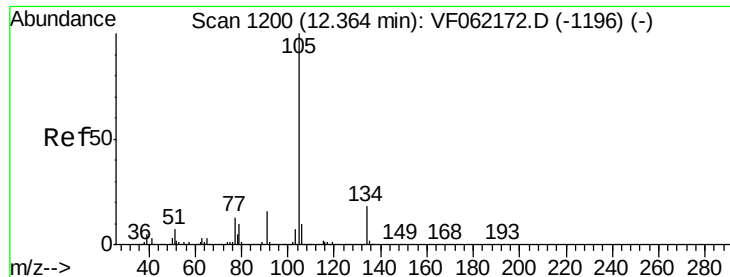
MMDadoda
 4/17/2019 11:50:11 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.104 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.7	74.1





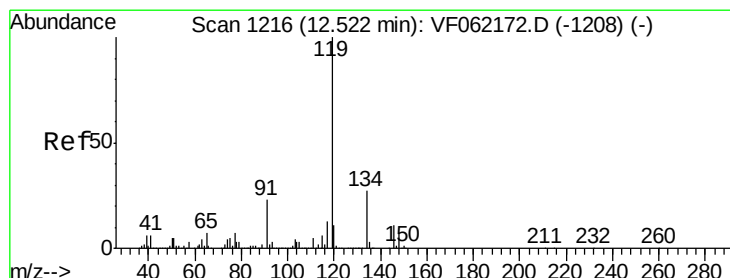
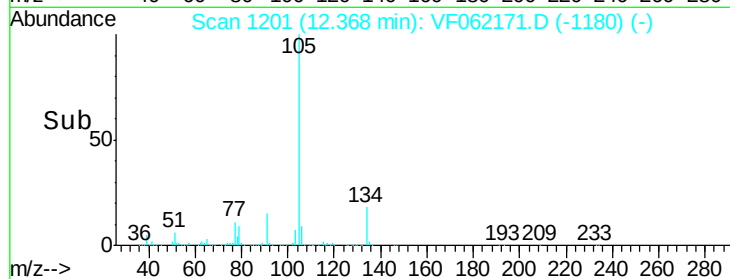
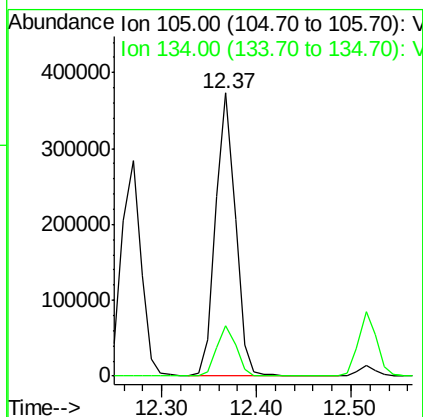
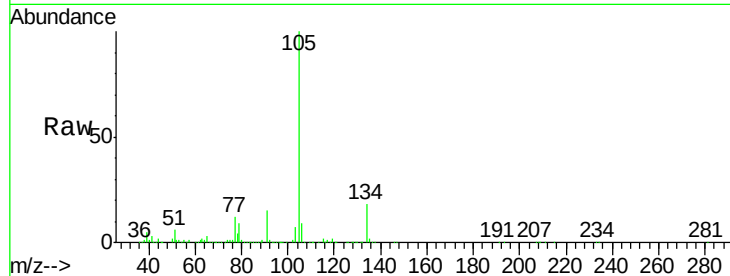
#85
 sec-Butylbenzene
 Concen: 19.688 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	542970		
134	18.0	9.0	27.0	

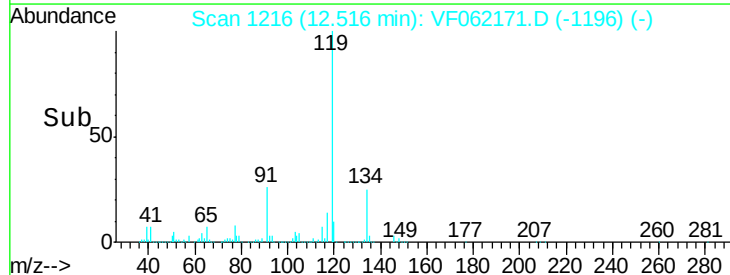
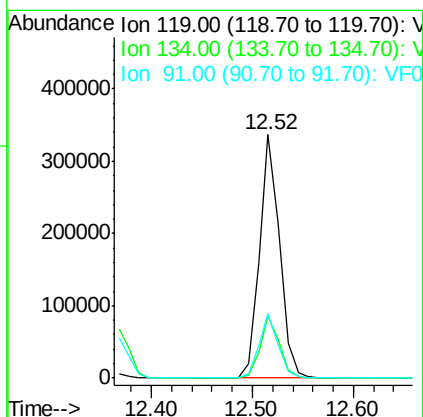
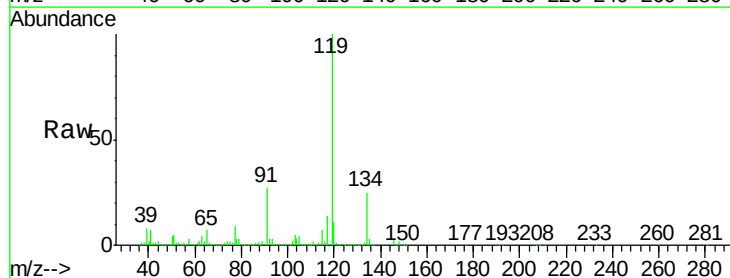
Manual Integrations
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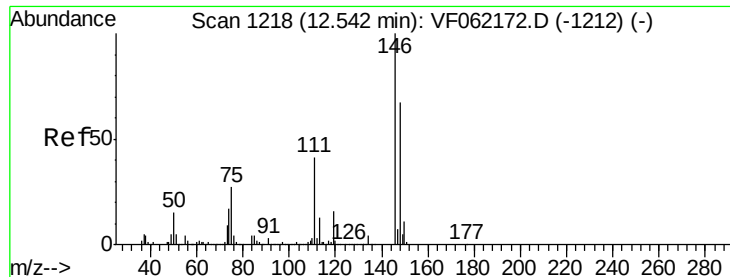
MMDadoda
 4/17/2019 11:50:11 AM



#86
 p-Isopropyltoluene
 Concen: 19.971 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	469225		
134	25.4	13.5	40.5	
91	26.5	11.5	34.5	





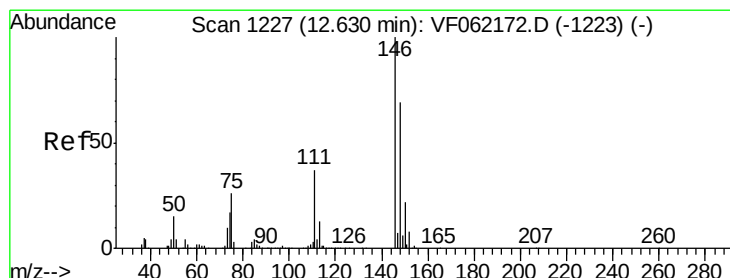
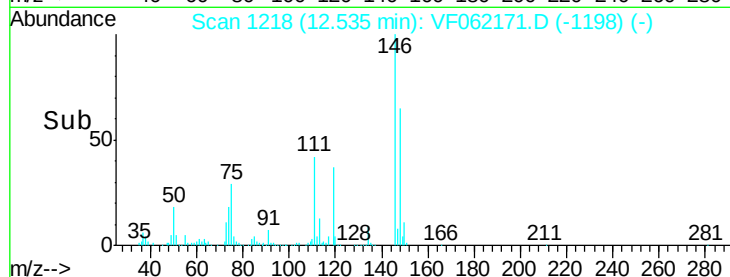
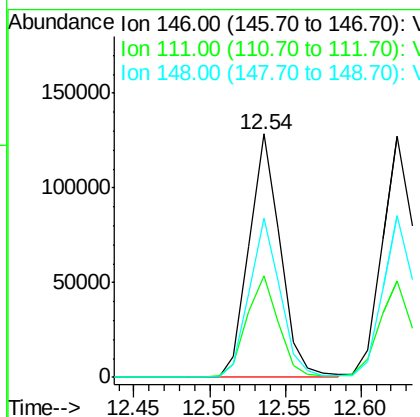
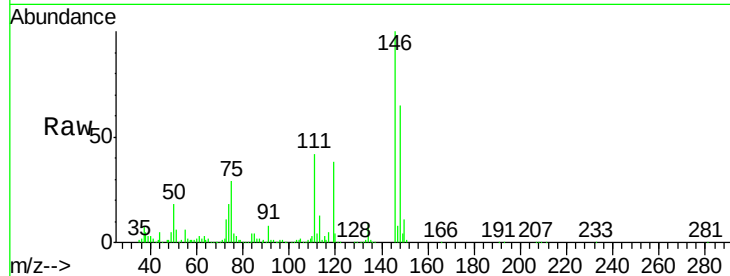
#87
 1,3-Dichlorobenzene
 Concen: 19.344 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.6
148	65.5	33.6	100.8

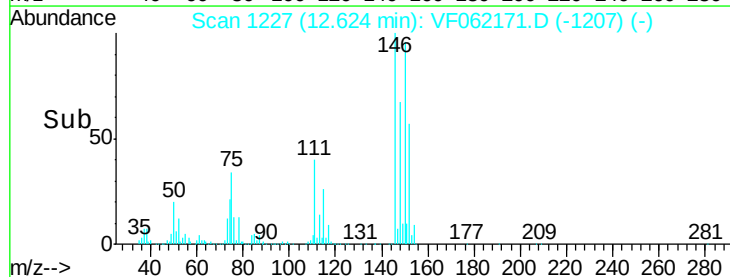
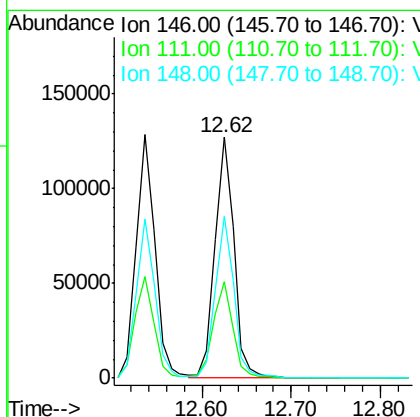
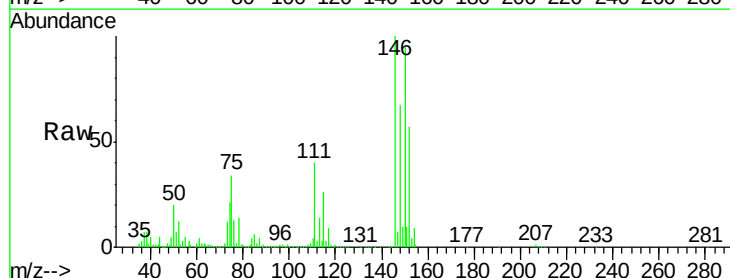
Manual Integrations
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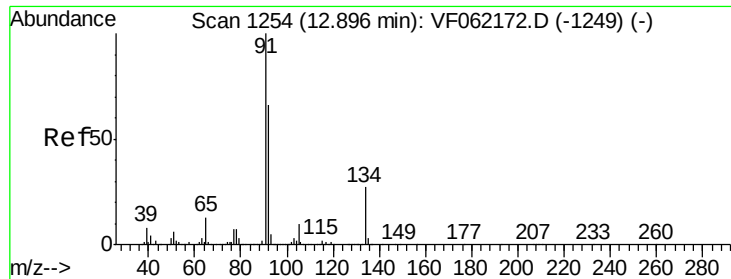
MMDadoda
 4/17/2019 11:50:11 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.6	55.6
148	66.9	34.3	102.8





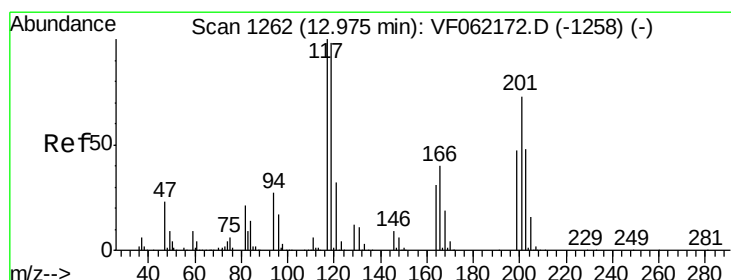
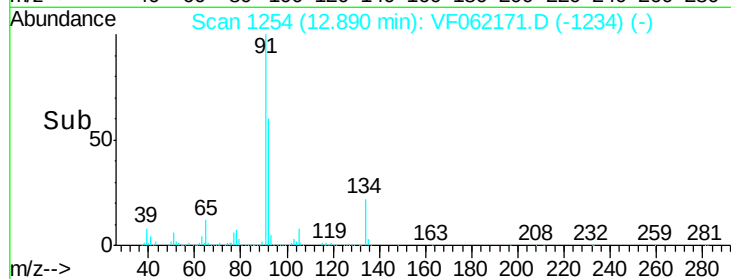
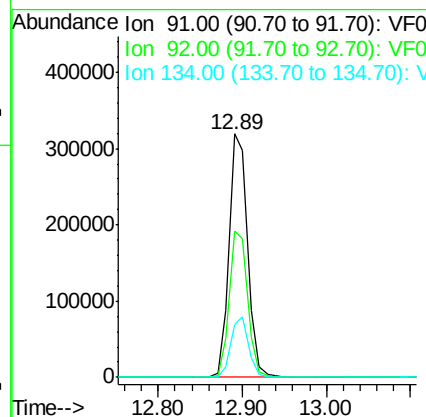
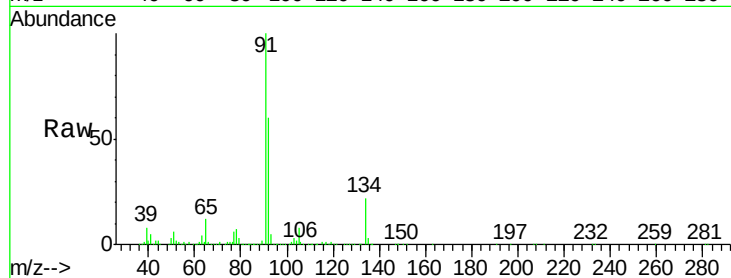
#89
n-Butylbenzene
Concen: 20.545 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.2	32.9	98.6
134	21.7	13.4	40.2

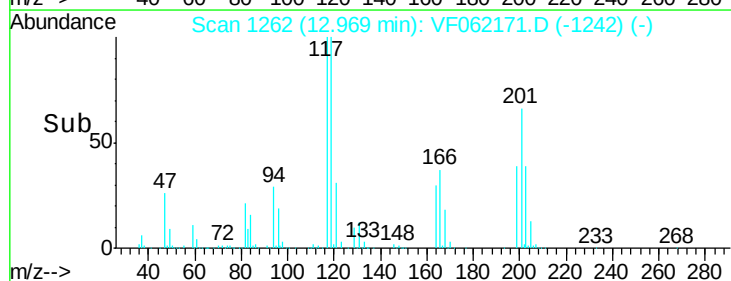
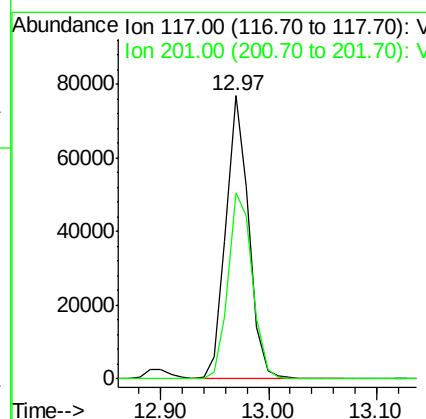
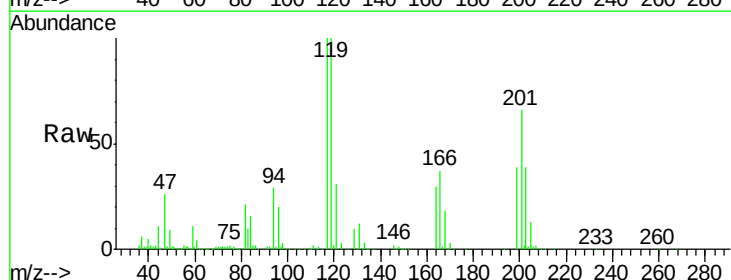
Manual Integrations
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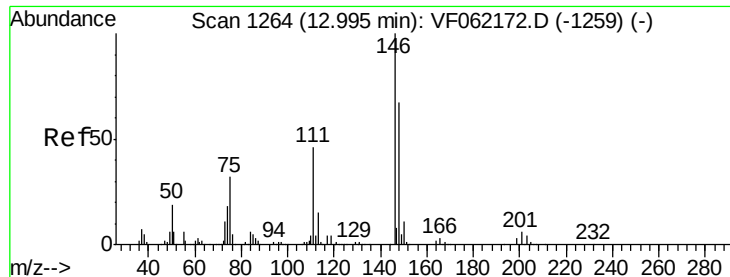
MMDadoda
4/17/2019 11:50:11 AM



#90
Hexachloroethane
Concen: 19.426 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VF062171.D
Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.7	36.7	110.1





#91

1,2-Dichlorobenzene

Concen: 19.705 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

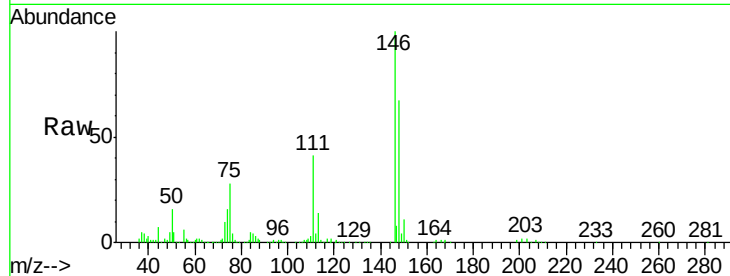
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	182224
Ion Ratio	Lower	Upper	
146	100		
111	40.7	22.9	68.8
148	66.7	33.6	100.6

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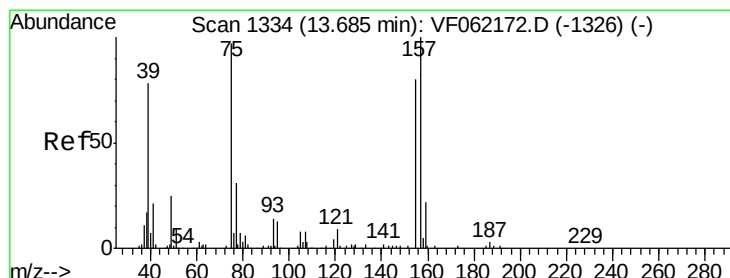
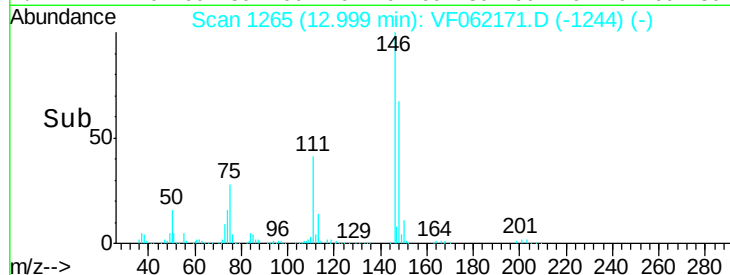
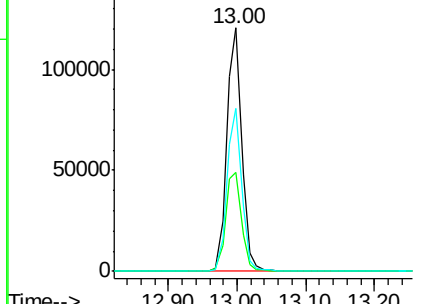
MMDadoda
4/17/2019 11:50:11 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.725 ug/l

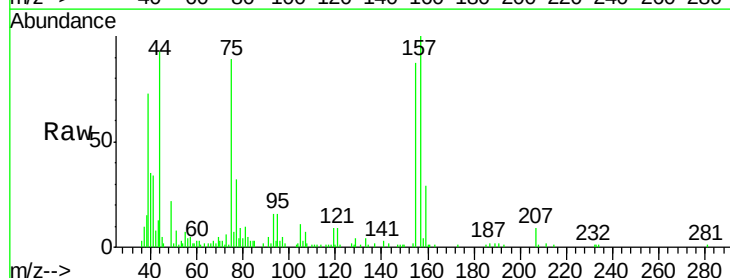
RT: 13.69 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

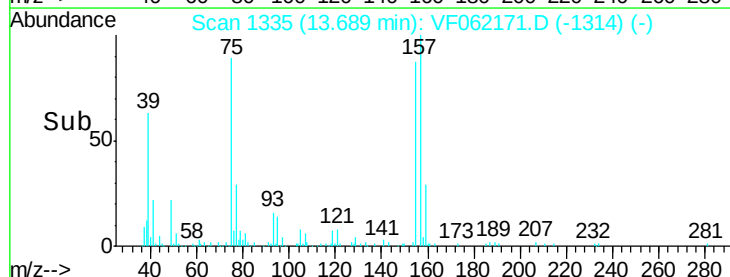
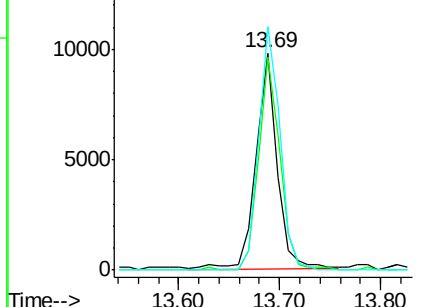
Tgt Ion:	75	Resp:	14402
Ion Ratio	Lower	Upper	
75	100		
155	98.0	41.0	123.0
157	112.1	51.3	154.0

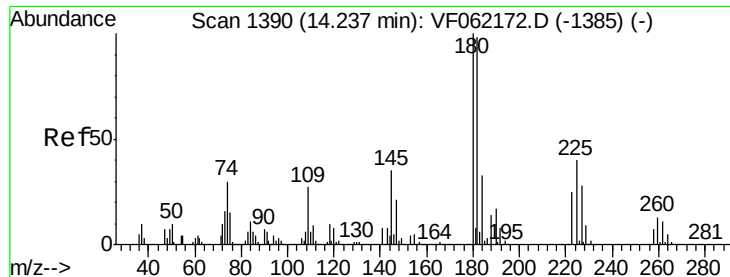


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





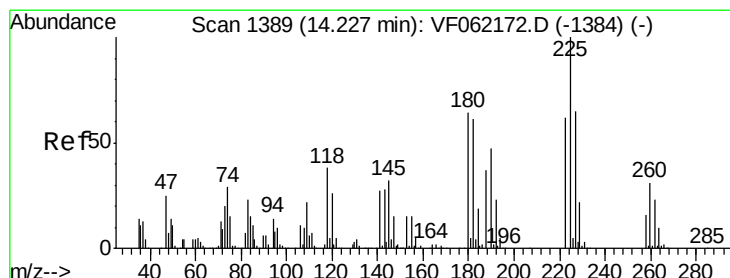
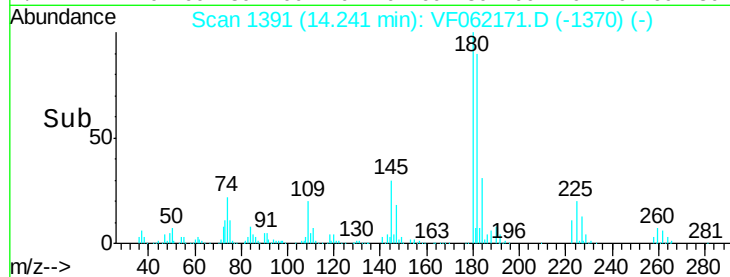
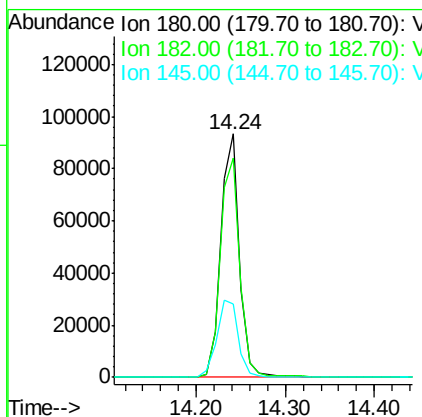
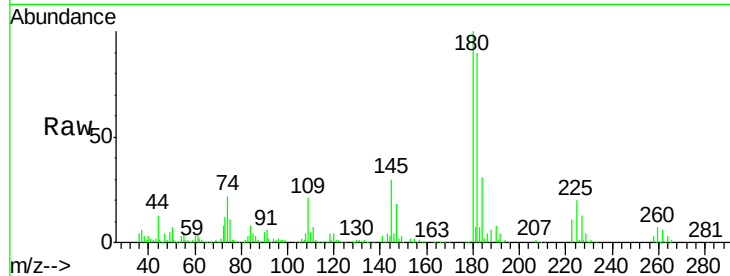
#93
 1,2,4-Trichlorobenzene
 Concen: 19.862 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137950		
182	90.2	48.8	146.4	
145	30.3	17.3	52.0	

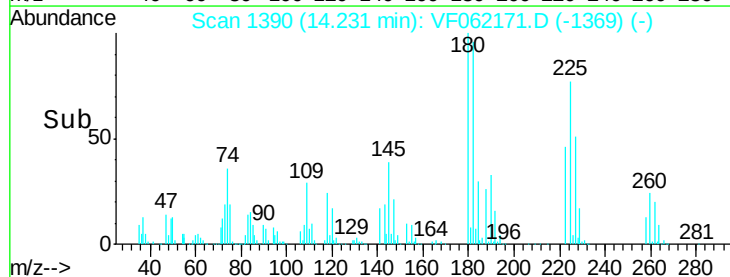
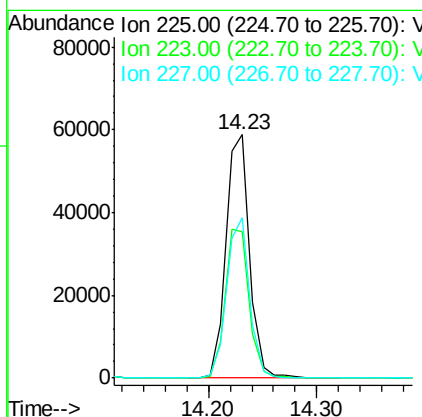
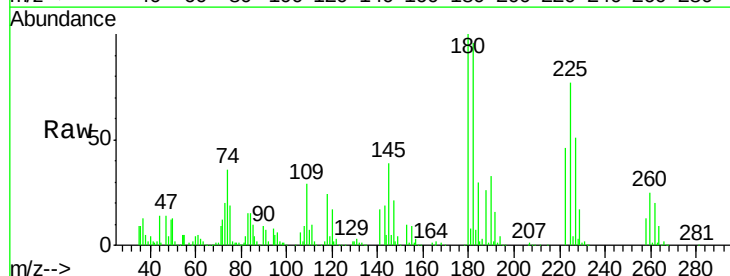
Manual Integrations
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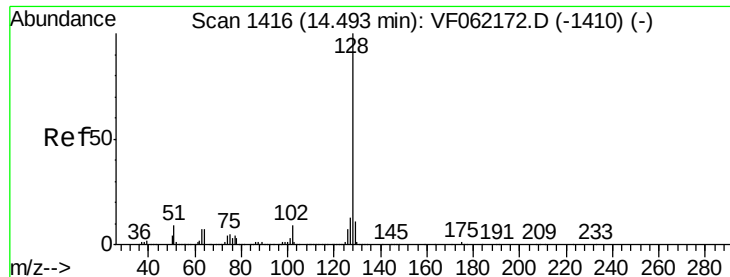
MMDadoda
 4/17/2019 11:50:11 AM



#94
 Hexachlorobutadiene
 Concen: 19.693 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062171.D
 Acq: 16 Apr 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89135		
223	60.2	30.9	92.7	
227	65.8	32.3	96.9	





#95

Naphthalene

Concen: 19.237 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Instrument :

MSVOA_F

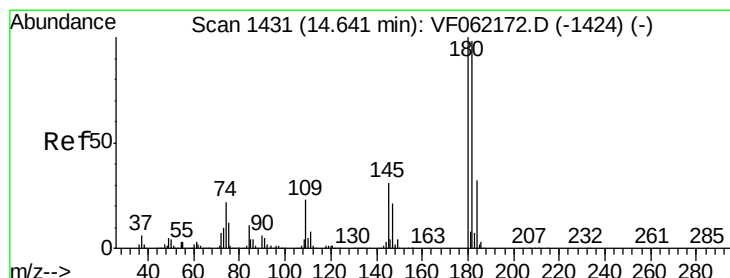
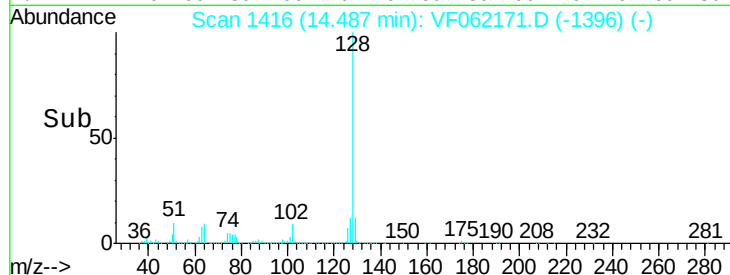
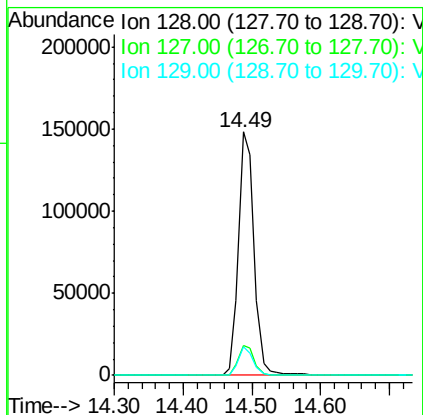
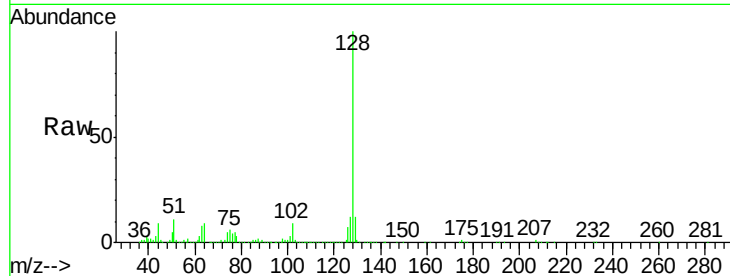
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	233424
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.3	15.5
129	11.5	9.2	13.8

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 19.550 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VF062171.D

Acq: 16 Apr 2019 11:47

Tgt Ion:	180	Resp:	126504
Ion Ratio	Lower	Upper	
180	100		
182	92.8	49.0	147.2
145	32.3	15.4	46.2

