

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062144.D
 Acq On : 26 Mar 2019 14:22
 Operator : VA/AP
 Sample : VF0326SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:01:39 PM

Quant Time: Mar 27 09:50:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	236350	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	351138	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	294455	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	162540	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	102435	58.27	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	116.54%	
35) Dibromofluoromethane	4.09	113	141082	59.40	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	118.80%	
50) Toluene-d8	7.53	98	407422	57.46	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	114.92%	
62) 4-Bromofluorobenzene	11.40	95	157784	57.64	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	72680	24.004	ug/l	97
3) Chloromethane	1.09	50	74728	23.587	ug/l	90
4) Vinyl Chloride	1.13	62	71830	24.511	ug/l	98
5) Bromomethane	1.31	94	50496	23.971	ug/l	91
6) Chloroethane	1.39	64	35301	23.929	ug/l	99
7) Trichlorofluoromethane	1.47	101	87035	24.591	ug/l	97
8) Diethyl Ether	1.62	74	18662	23.083	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	54983	22.772	ug/l	91
10) Methyl Iodide	1.90	142	107623m	23.455	ug/l	
11) Tert butyl alcohol	2.56	59	11582	119.738	ug/l	97
12) 1,1-Dichloroethene	1.79	96	53928	23.671	ug/l	91
13) Acrolein	1.99	56	13357	114.834	ug/l	85
14) Allyl chloride	2.09	41	64513	26.523	ug/l	98
15) Acrylonitrile	2.93	53	37437	110.063	ug/l	98
16) Acetone	2.22	43	41377	111.831	ug/l	95
17) Carbon Disulfide	1.80	76	163353	23.513	ug/l	99
18) Methyl Acetate	2.41	43	16549	18.750	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	78545	21.814	ug/l	96
20) Methylene Chloride	2.18	84	64802m	27.697	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	52238	23.831	ug/l	89
22) Diisopropyl ether	2.79	45	144803	22.706	ug/l	97
23) Vinyl Acetate	3.17	43	311754	119.398	ug/l	100
24) 1,1-Dichloroethane	2.86	63	91991	24.054	ug/l	99
25) 2-Butanone	4.31	43	80101	103.702	ug/l	99
26) 2,2-Dichloropropane	3.58	77	38507	24.834	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	62440	21.496	ug/l	88
28) Bromochloromethane	3.69	49	39386	25.207	ug/l	94
29) Tetrahydrofuran	4.05	42	31753	94.549	ug/l	97
30) Chloroform	3.84	83	90817	22.470	ug/l	97
31) Cyclohexane	3.67	56	93773m	23.477	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	60356	24.549	ug/l	98
36) 1,1-Dichloropropene	4.26	75	75977	22.716	ug/l	97
37) Ethyl Acetate	4.10	43	29134	19.932	ug/l	97
38) Carbon Tetrachloride	3.97	117	55616	24.398	ug/l	90

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	84350	21.730	ug/l	94
40) Benzene	4.61	78	204849	22.847	ug/l	96
41) Methacrylonitrile	4.73	41	17334	22.413	ug/l	92
42) 1,2-Dichloroethane	4.92	62	50086	23.622	ug/l	100
43) Isopropyl Acetate	6.94	43	39771	22.467	ug/l #	95
44) Trichloroethene	5.48	130	65809	24.007	ug/l	95
45) 1,2-Dichloropropane	6.22	63	47838	22.370	ug/l	95
46) Dibromomethane	6.07	93	27563	21.080	ug/l	97
47) Bromodichloromethane	6.37	83	65152	22.495	ug/l	92
48) Methyl methacrylate	6.69	41	22194	22.020	ug/l	92
49) 1,4-Dioxane	6.69	88	4444	502.495	ug/l	92
51) 4-Methyl-2-Pentanone	8.24	43	142156	119.984	ug/l	97
52) Toluene	7.61	92	116565	22.445	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	55244	24.298	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	73231	22.511	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	32686	22.158	ug/l	89
56) Ethyl methacrylate	8.60	69	41055	23.337	ug/l	100
57) 1,3-Dichloropropane	8.83	76	53227	21.741	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	29501	110.510	ug/l	96
59) 2-Hexanone	9.47	43	101780	117.211	ug/l	99
60) Dibromochloromethane	8.69	129	47740	23.280	ug/l	93
61) 1,2-Dibromoethane	8.96	107	36759	23.357	ug/l	95
64) Tetrachloroethene	8.13	164	53578	23.552	ug/l	93
65) Chlorobenzene	9.78	112	126987	23.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	55086	24.891	ug/l	94
67) Ethyl Benzene	9.88	91	236632	24.697	ug/l	99
68) m/p-Xylenes	10.11	106	174405	48.701	ug/l	98
69) o-Xylene	10.70	106	91685	24.445	ug/l	95
70) Styrene	10.77	104	132629	23.338	ug/l	99
71) Bromoform	10.75	173	25723	22.724	ug/l	96
73) Isopropylbenzene	11.11	105	266301	23.283	ug/l	99
74) N-amyl acetate	11.36	43	59618	21.876	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	43718	22.262	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	29690m	21.483	ug/l	
77) Bromobenzene	11.47	156	61113	21.870	ug/l	82
78) n-propylbenzene	11.58	91	307240	23.134	ug/l	97
79) 2-Chlorotoluene	11.70	91	162834	22.059	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	213687	22.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	10934m	19.416	ug/l	
82) 4-Chlorotoluene	11.88	91	173365	22.905	ug/l	96
83) tert-Butylbenzene	12.12	119	239188	24.288	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	213042	23.100	ug/l	97
85) sec-Butylbenzene	12.29	105	294110	23.085	ug/l	100
86) p-Isopropyltoluene	12.44	119	261243	23.668	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	119122	22.946	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	116398	22.977	ug/l	96
89) n-Butylbenzene	12.83	91	247960	23.547	ug/l	92
90) Hexachloroethane	12.90	117	59071	22.476	ug/l	84
91) 1,2-Dichlorobenzene	12.92	146	111619	22.897	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6489	21.808	ug/l	69

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QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	78687	23.160	ug/l	97
94) Hexachlorobutadiene	14.18	225	50858	22.514	ug/l	96
95) Naphthalene	14.44	128	125553	21.088	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	70930	22.303	ug/l	93

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

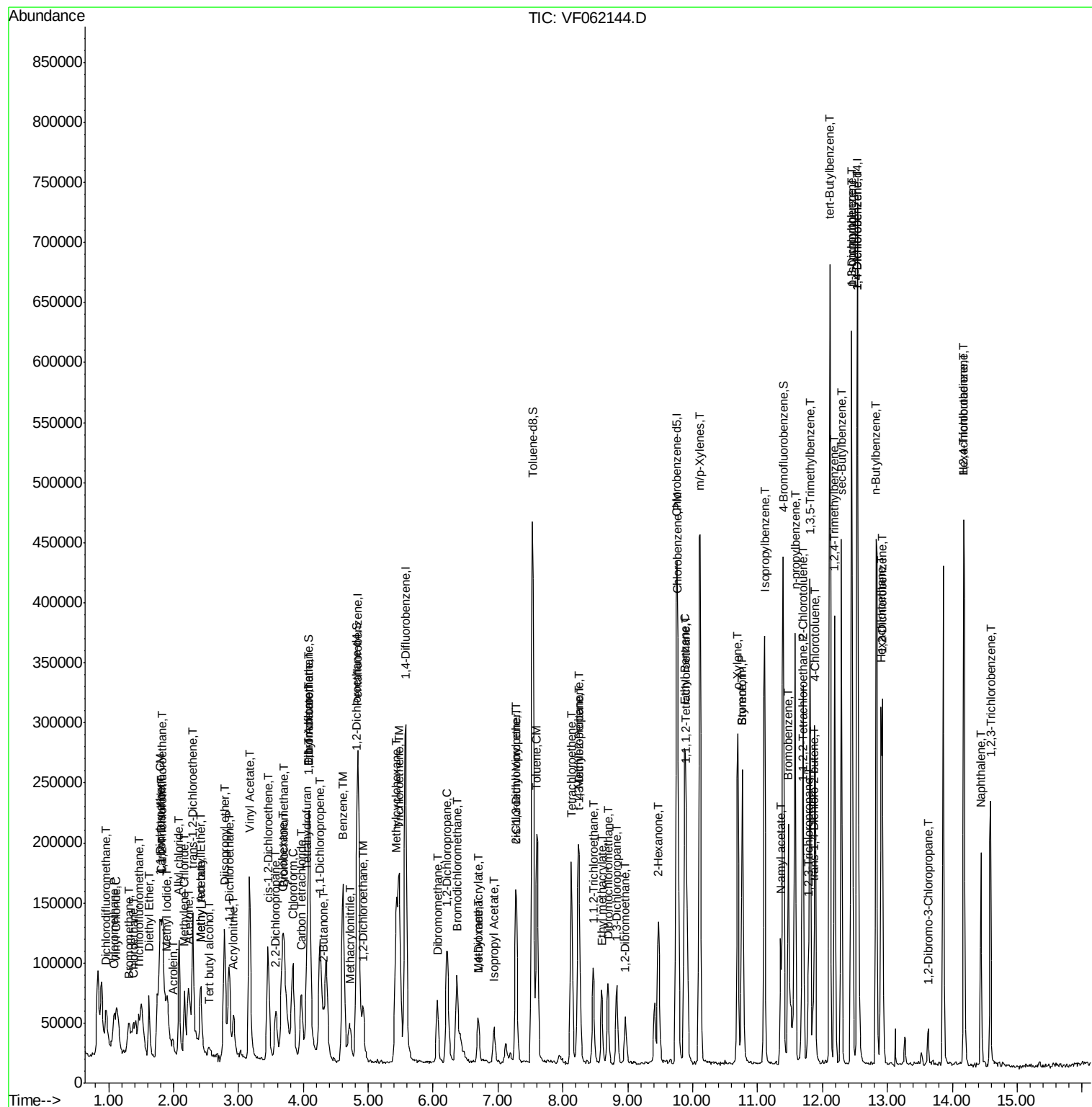
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032619\
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Operator : VA/AP
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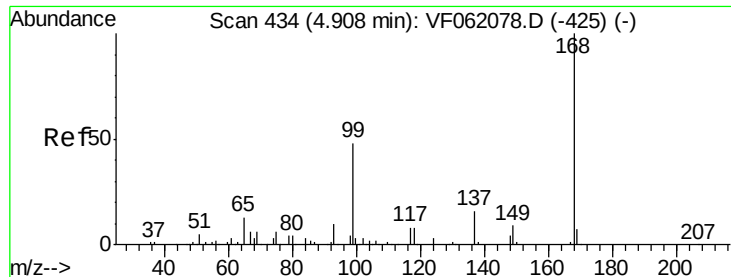
Instrument :
MSVOA_F
Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion:168 Resp: 236350

Ion Ratio Lower Upper

168 100

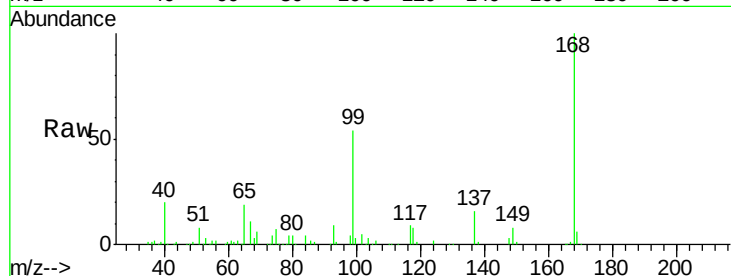
99 53.6 38.2 57.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

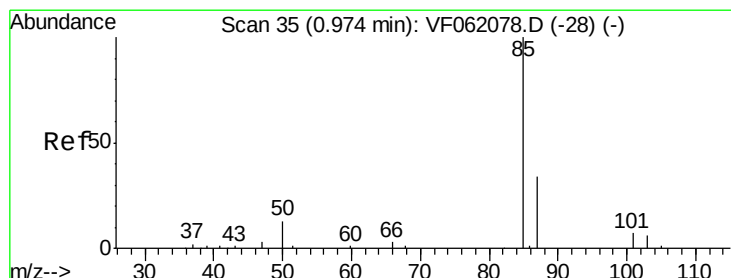
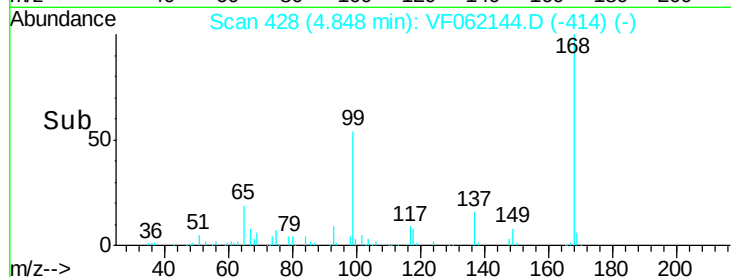
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 24.004 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062144.D

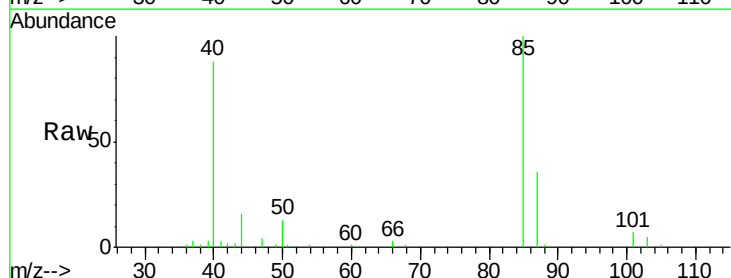
Acq: 26 Mar 2019 14:22

Tgt Ion: 85 Resp: 72680

Ion Ratio Lower Upper

85 100

87 35.8 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

15000

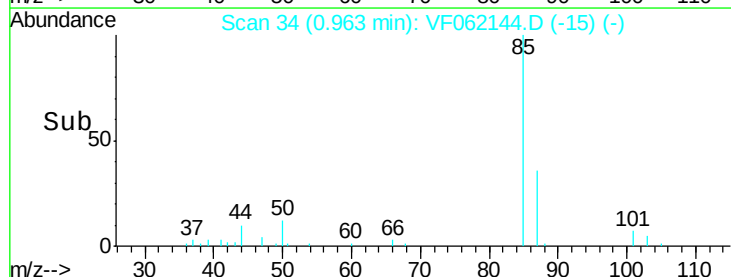
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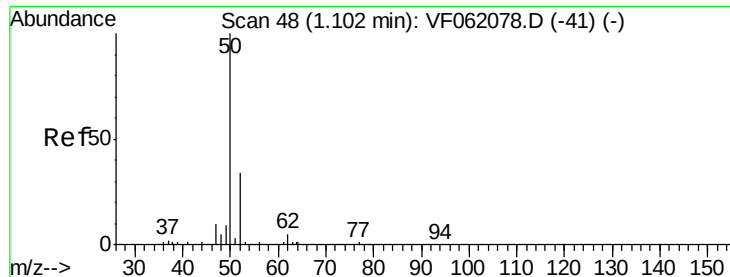
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 23.587 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 50 Resp: 74728

Ion Ratio Lower Upper

50 100

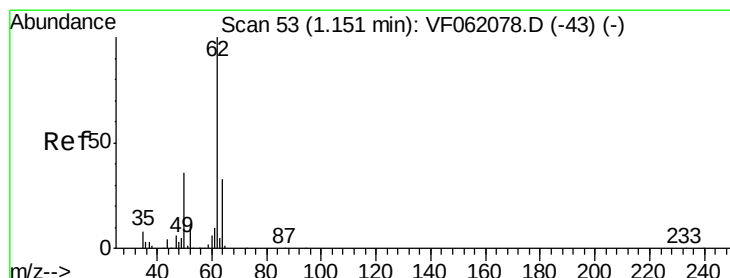
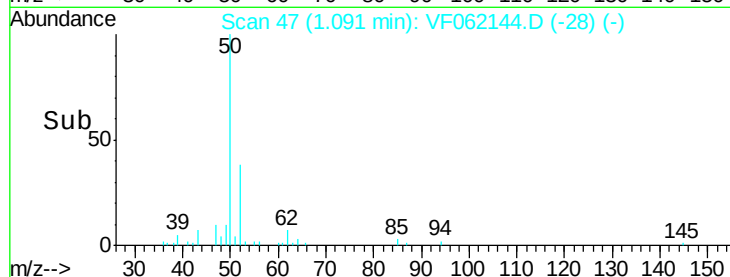
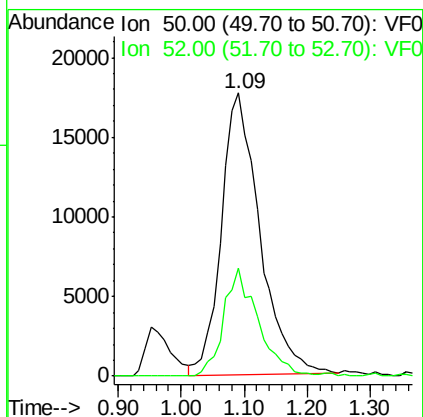
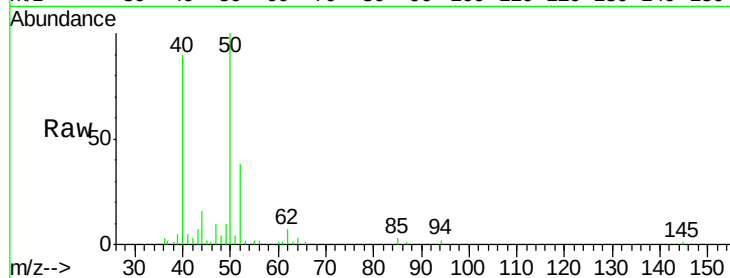
52 38.1 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.511 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF062144.D

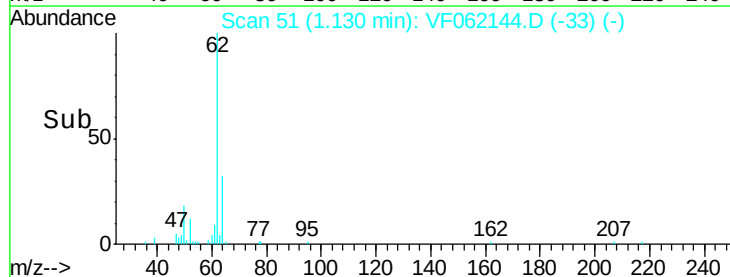
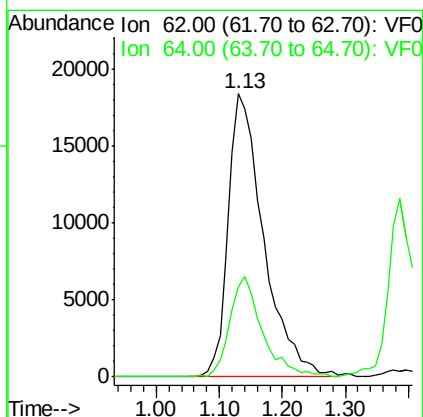
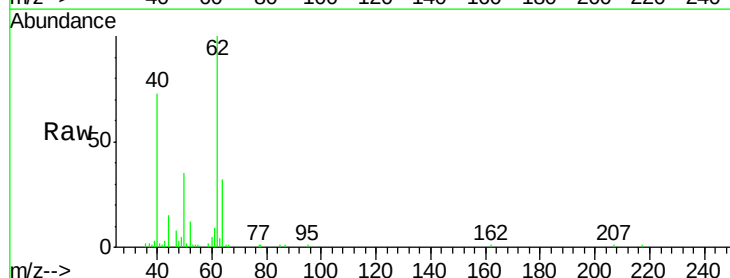
Acq: 26 Mar 2019 14:22

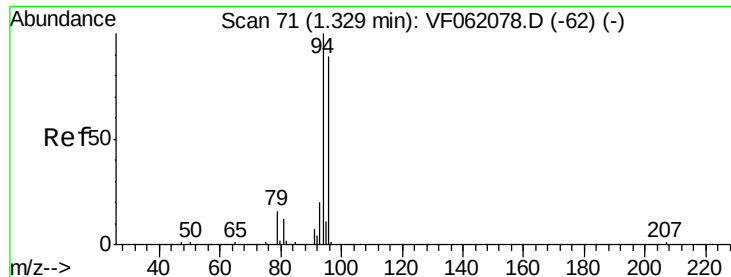
Tgt Ion: 62 Resp: 71830

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.2





#5

Bromomethane

Concen: 23.971 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 94 Resp: 50496

Ion Ratio Lower Upper

94 100

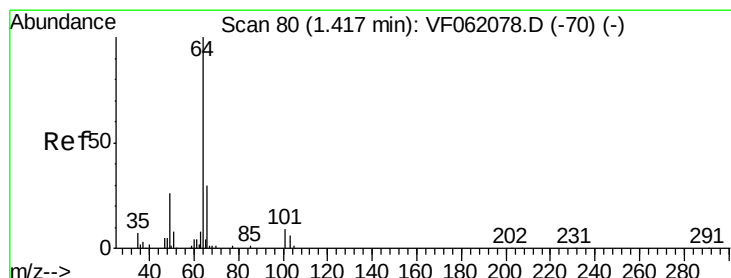
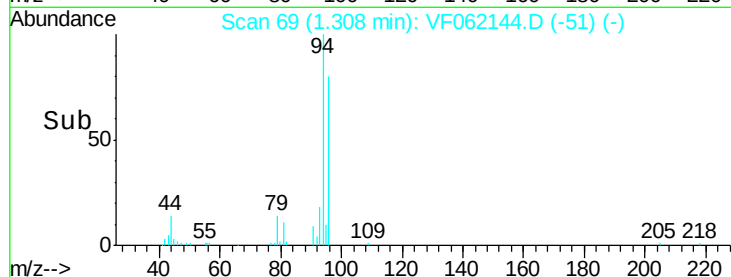
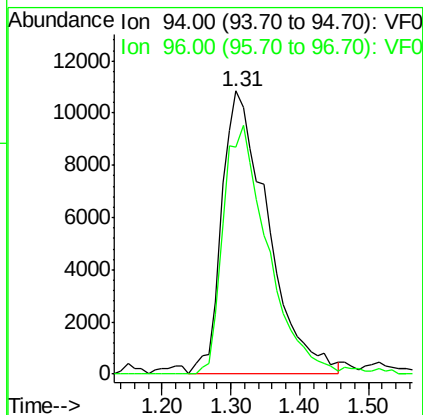
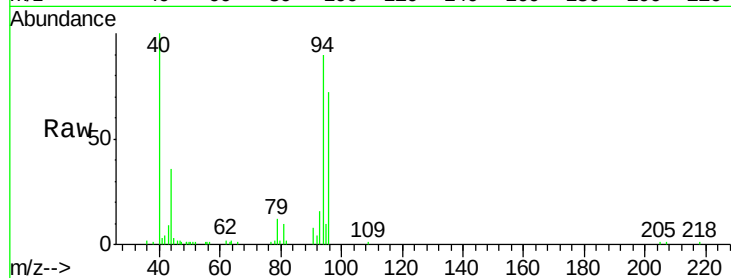
96 80.3 70.9 106.3

Manual Integrations

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#6

Chloroethane

Concen: 23.929 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.03 min

Lab File: VF062144.D

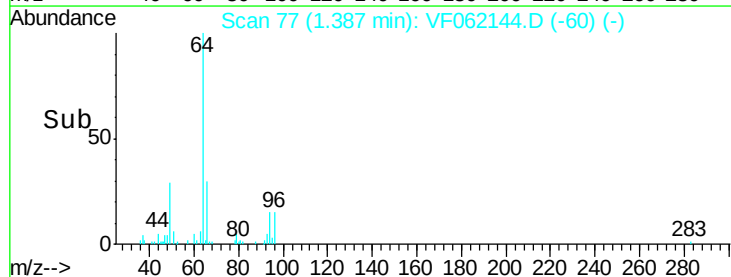
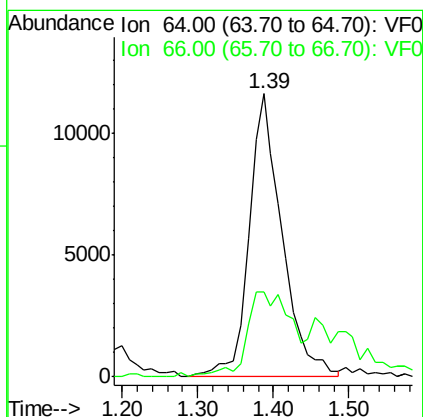
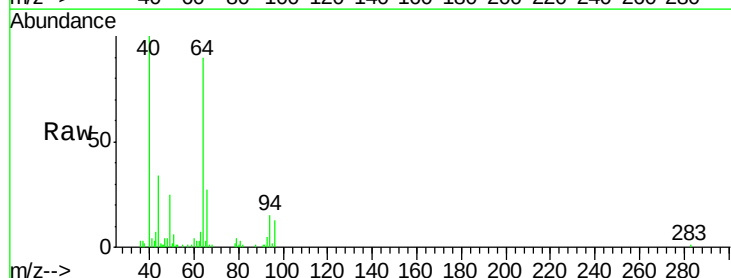
Acq: 26 Mar 2019 14:22

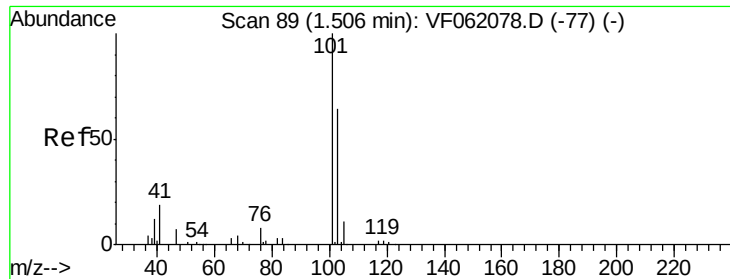
Tgt Ion: 64 Resp: 35301

Ion Ratio Lower Upper

64 100

66 30.1 24.5 36.7





#7

Trichlorofluoromethane

Concen: 24.591 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tot Ion: 101 Resp: 87035

Ion Ratio Lower Upper

101 100

103 62.2 51.5 77.3

Instrument :

MSVOA_F

ClientSampleId :

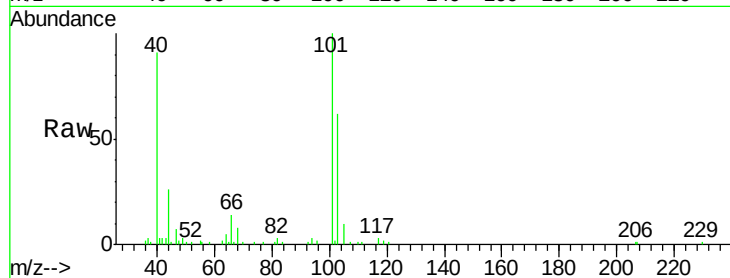
VF0326SBS01

Manual Integrations

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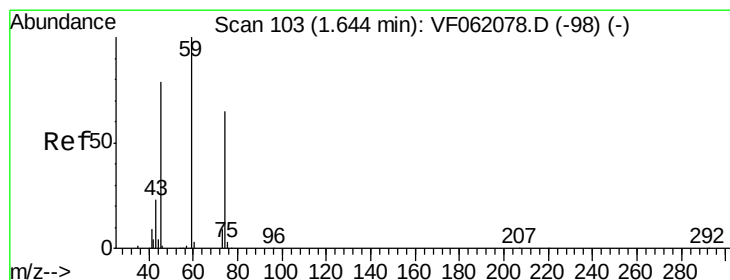
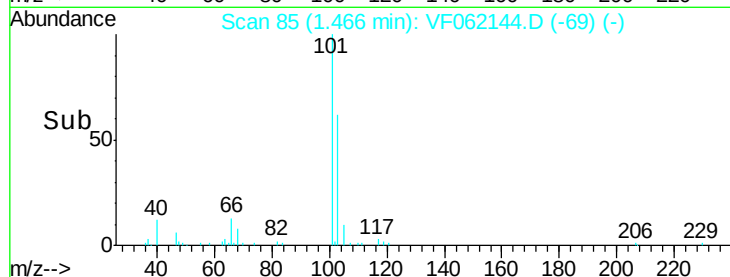
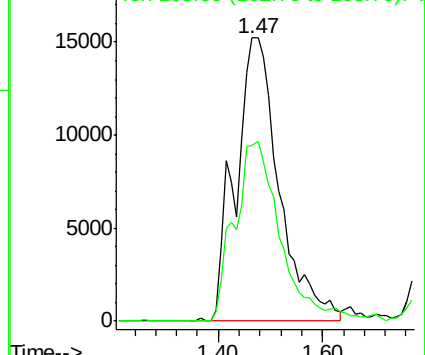
MMDadoda

3/27/2019 12:01:39 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 23.083 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF062144.D

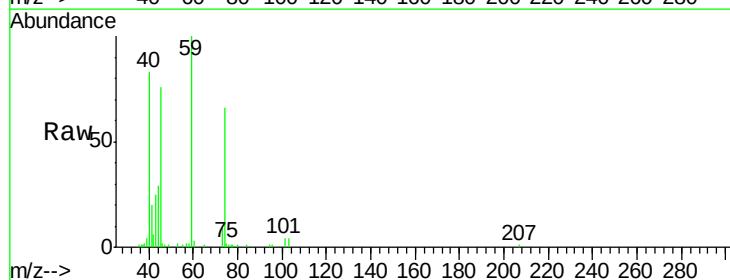
Acq: 26 Mar 2019 14:22

Tgt Ion: 74 Resp: 18662

Ion Ratio Lower Upper

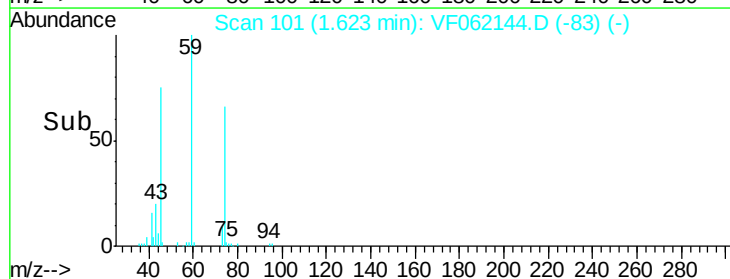
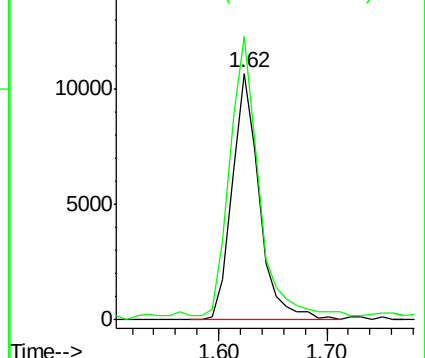
74 100

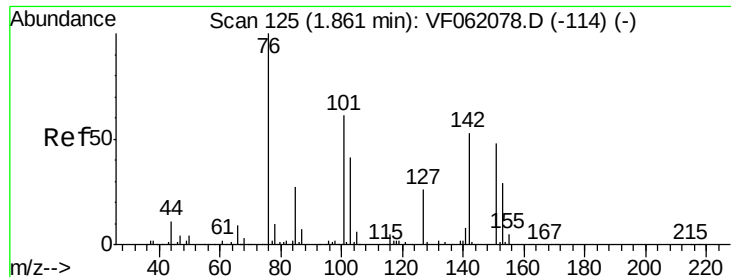
45 114.8 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.772 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

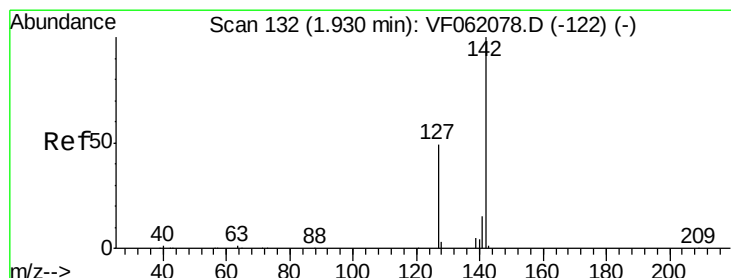
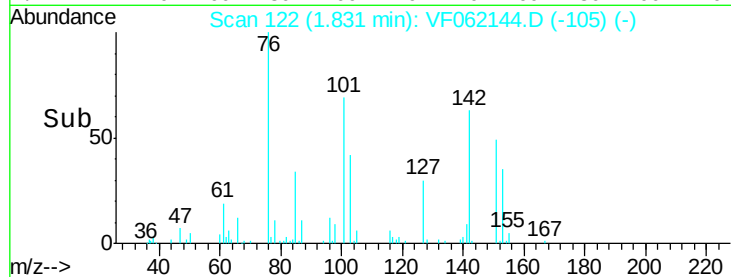
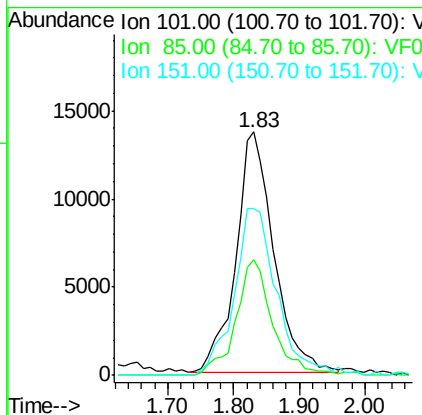
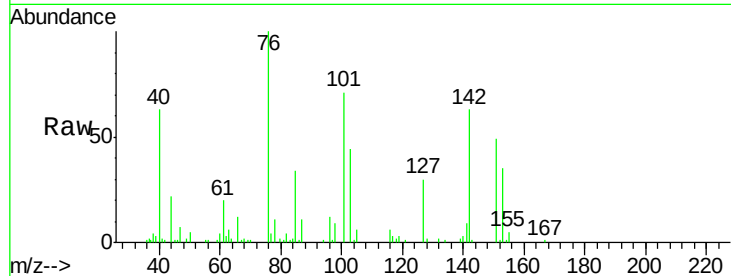
ClientSampleId :

VF0326SBS01

Tot Ion:	101	Resp:	54983
Ion Ratio	Lower	Upper	
101	100		
85	47.4	34.6	52.0
151	68.6	61.7	92.5

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#10

Methyl Iodide

Concen: 23.455 ug/l m

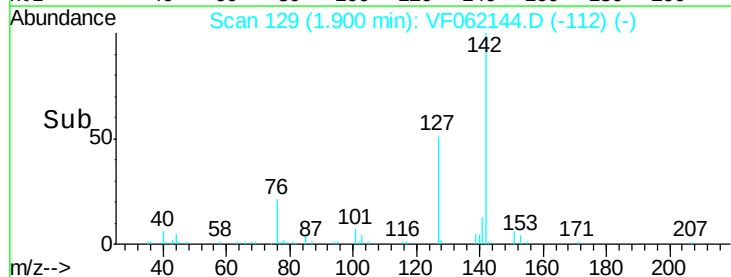
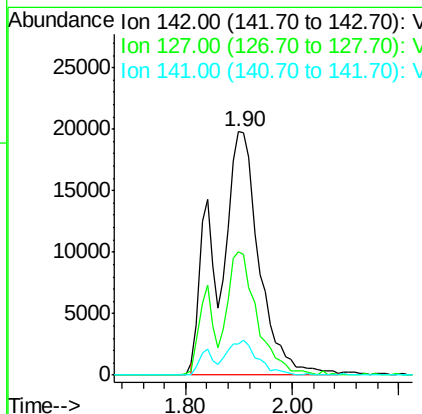
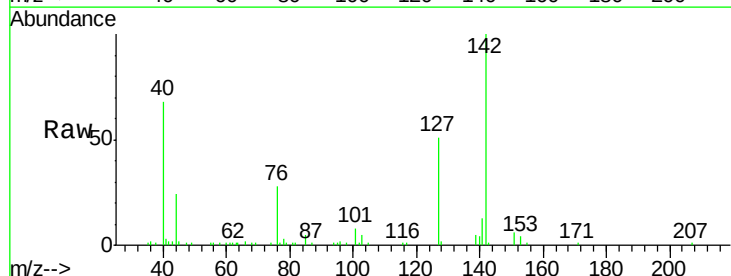
RT: 1.90 min Scan# 129

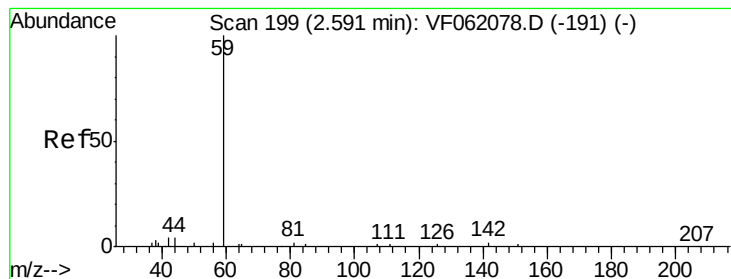
Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	142	Resp:	107623
Ion Ratio	Lower	Upper	
142	100		
127	50.6	39.1	58.7
141	13.0	12.2	18.4





#11

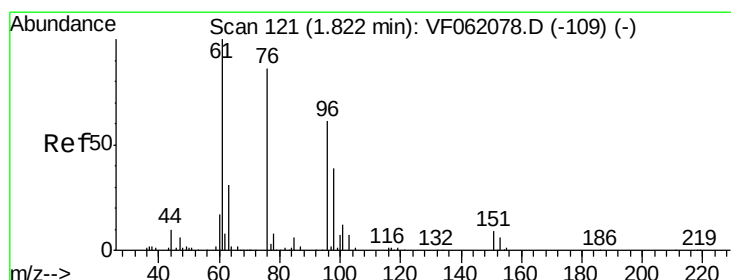
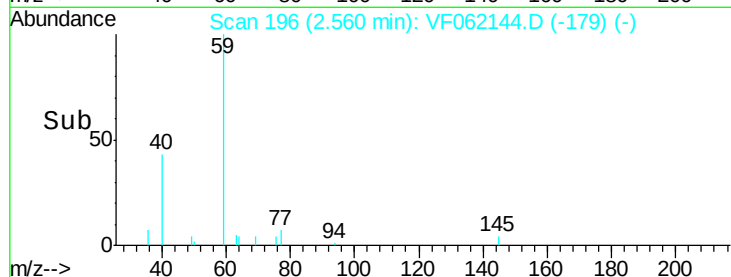
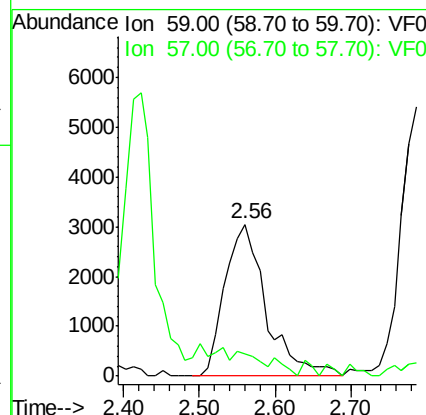
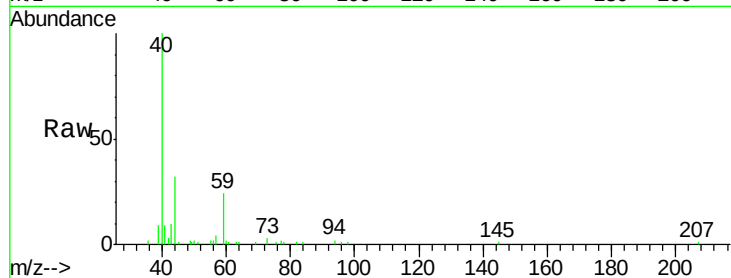
Tert butyl alcohol
Concen: 119.738 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	59	Resp	11582
Ion Ratio	100	Lower	Upper
57	14.9	11.0	16.4

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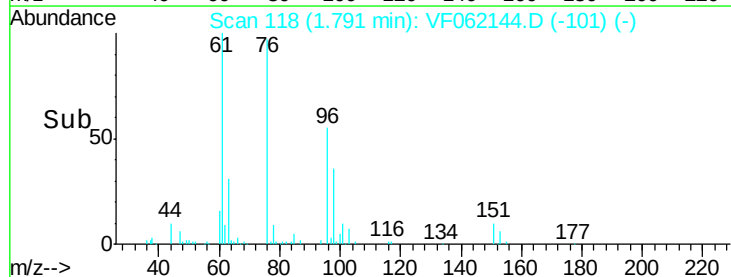
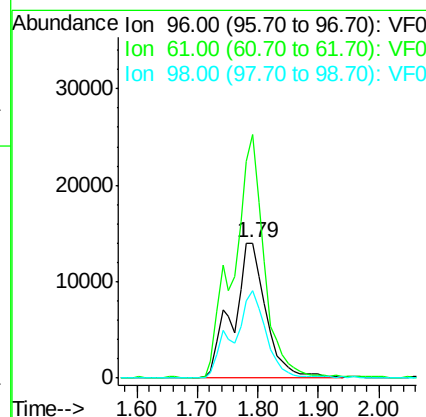
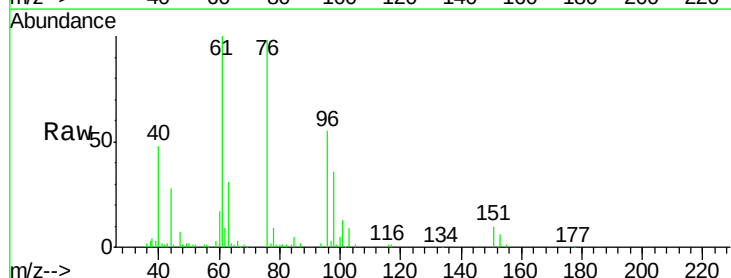
MMDadoda
3/27/2019 12:01:39 PM

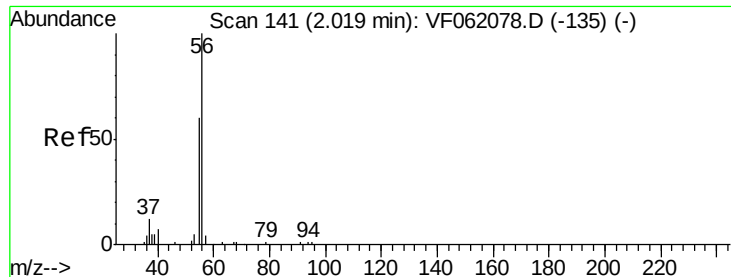


#12

1,1-Dichloroethene
Concen: 23.671 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	96	Resp	53928
Ion Ratio	100	Lower	Upper
61	180.2	131.0	196.6
98	64.4	51.5	77.3





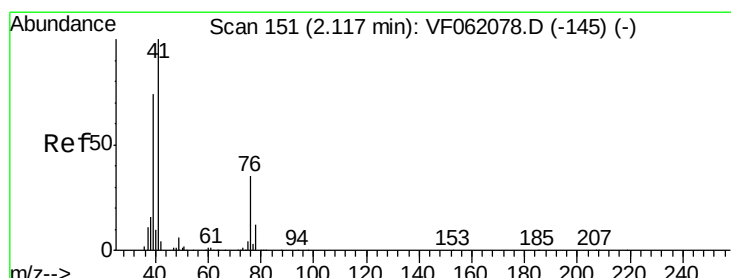
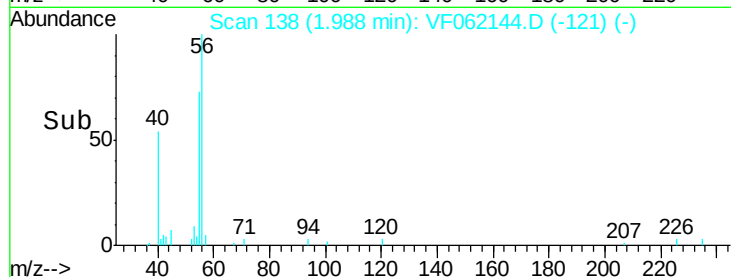
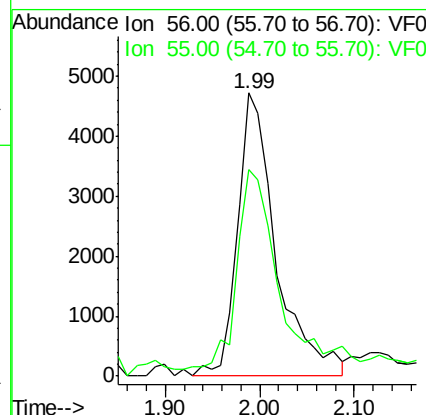
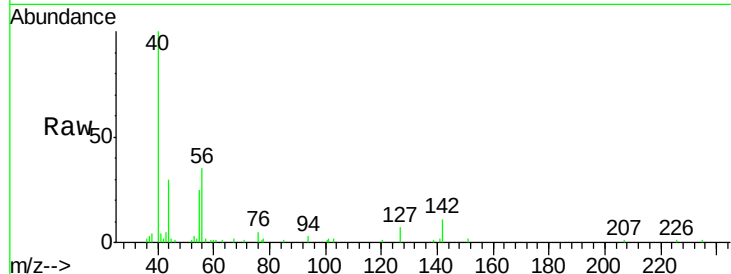
#13
Acrolein
Concen: 114.834 ug/l
RT: 1.99 min Scan# 138
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	56	Resp	13357
Ion Ratio	100	Lower	Upper
55	72.9	49.0	73.4

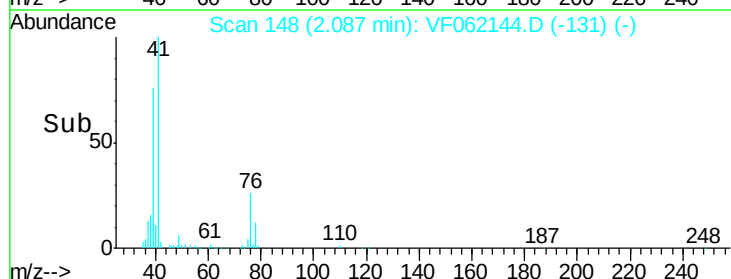
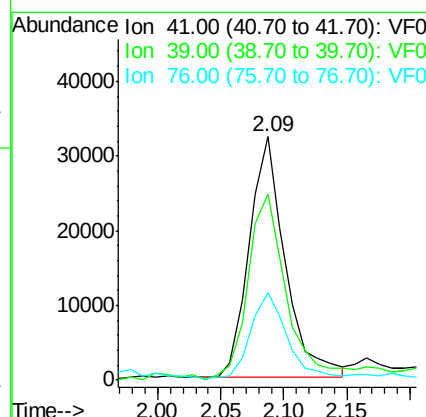
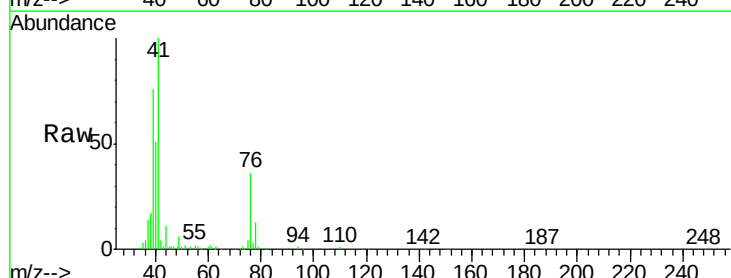
Manual Integrations
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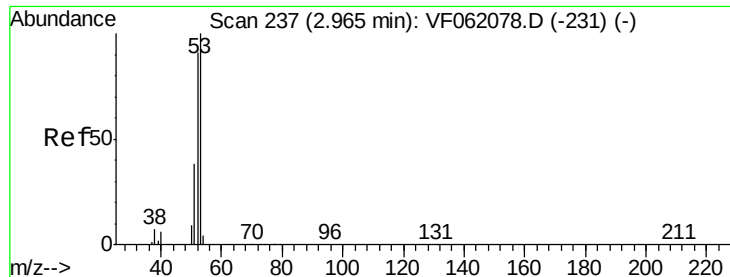
MMDadoda
3/27/2019 12:01:39 PM



#14
Allyl chloride
Concen: 26.523 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	41	Resp	64513
Ion Ratio	100	Lower	Upper
39	76.4	59.8	89.8
76	36.1	30.0	45.0





#15

Acrylonitrile

Concen: 110.063 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

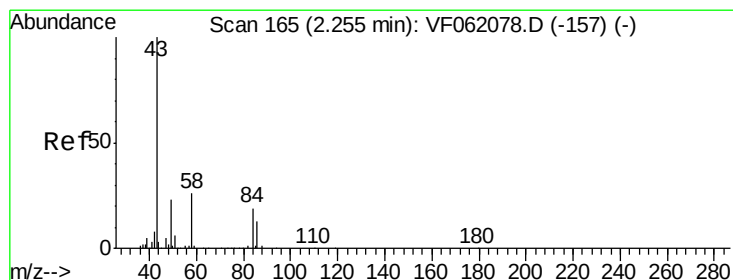
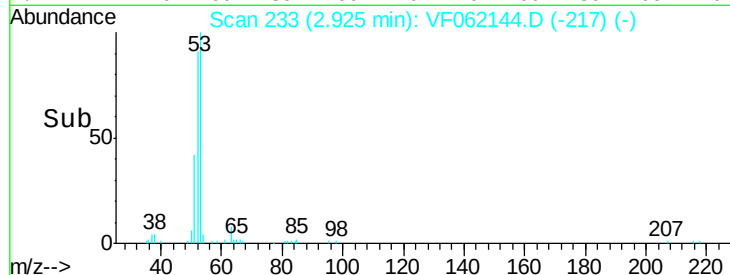
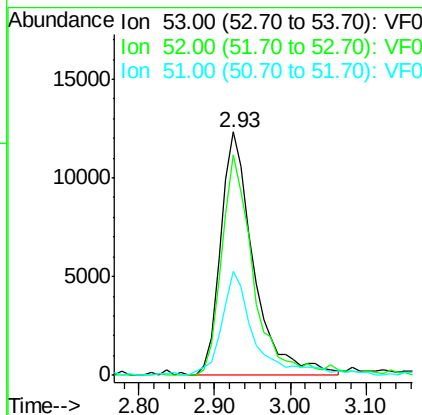
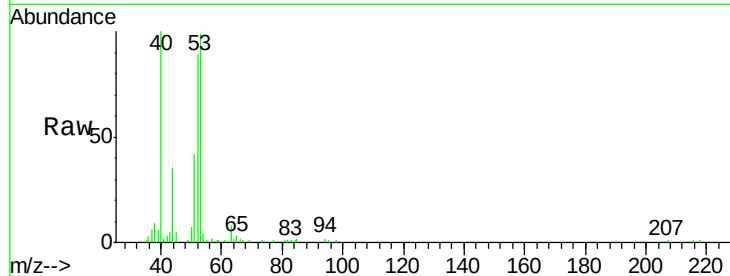
ClientSampleId :

VF0326SBS01

Tot Ion:	53	Resp:	37437
Ion	Ratio	Lower	Upper
53	100		
52	90.6	72.3	108.5
51	42.6	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 111.831 ug/l

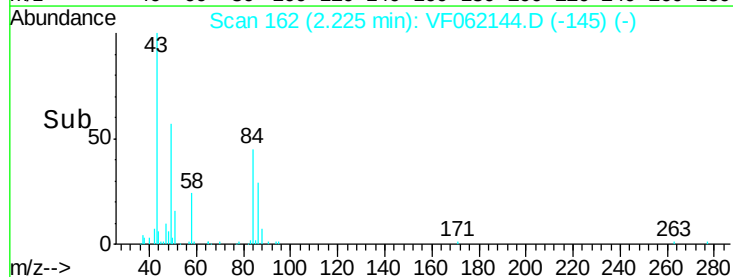
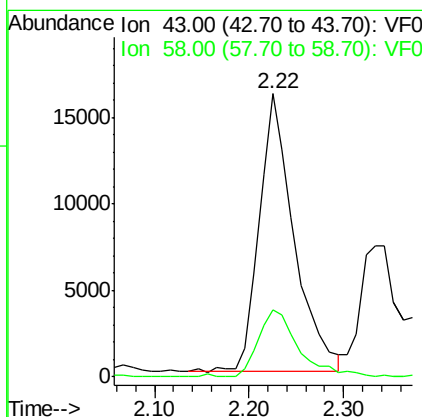
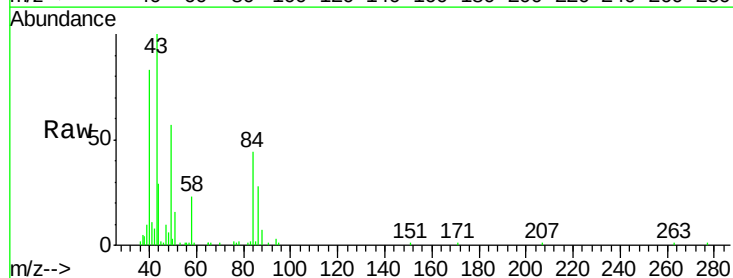
RT: 2.22 min Scan# 162

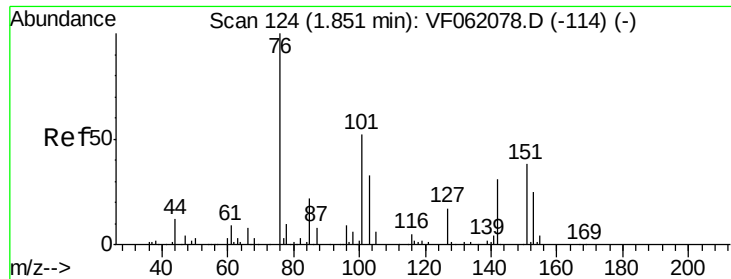
Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	43	Resp:	41377
Ion	Ratio	Lower	Upper
43	100		
58	23.5	20.8	31.2





#17

Carbon Disulfide

Concen: 23.513 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 76 Resp: 163353

Ion Ratio Lower Upper

76 100

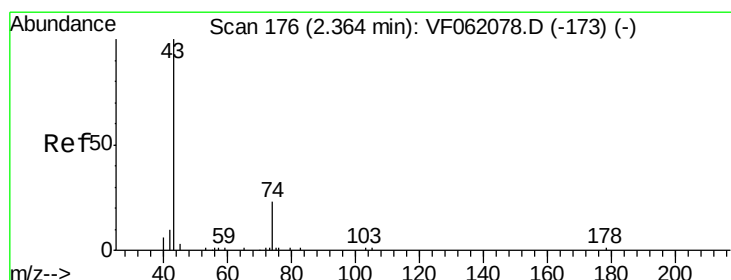
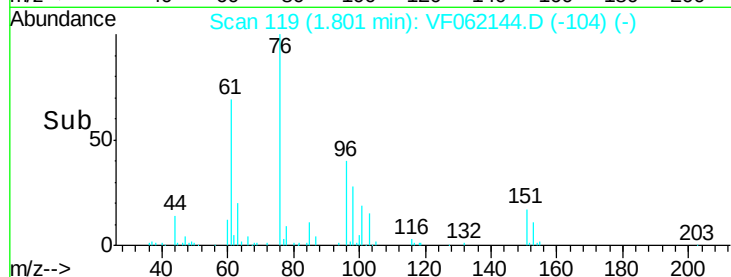
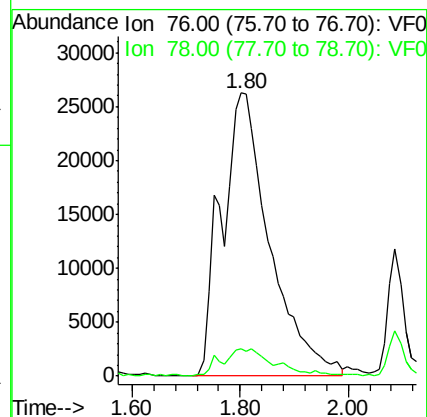
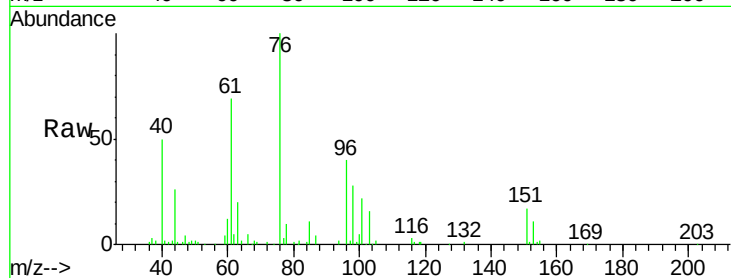
78 9.6 7.9 11.9

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#18

Methyl Acetate

Concen: 18.750 ug/l

RT: 2.41 min Scan# 181

Delta R.T. 0.05 min

Lab File: VF062144.D

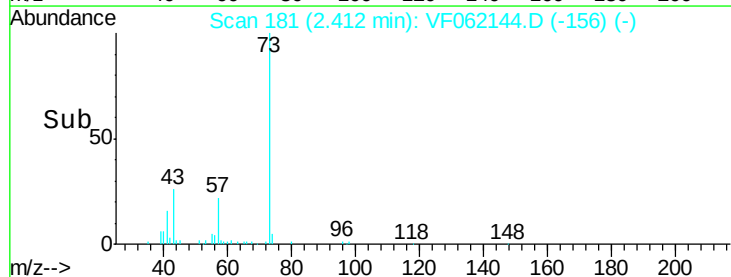
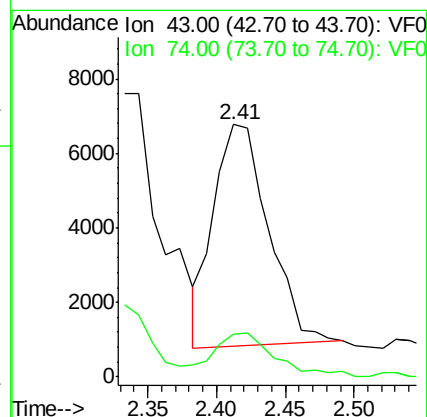
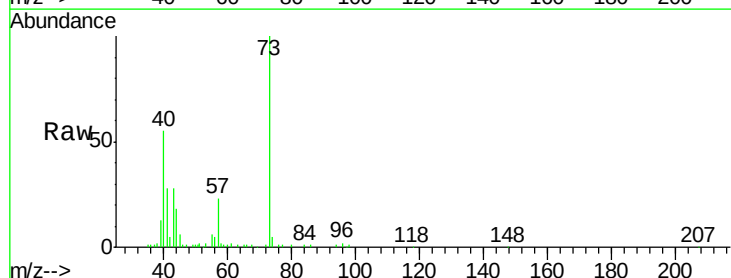
Acq: 26 Mar 2019 14:22

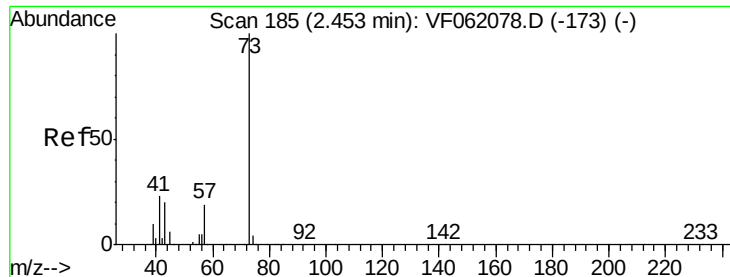
Tgt Ion: 43 Resp: 16549

Ion Ratio Lower Upper

43 100

74 17.0 16.3 24.5





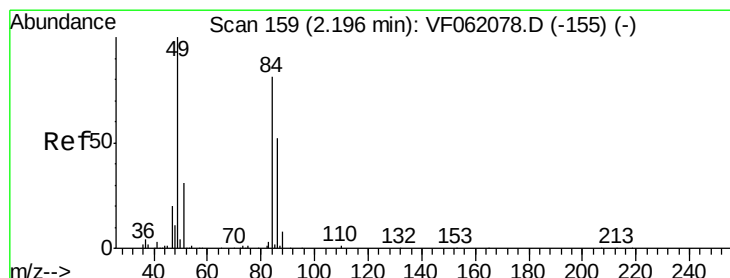
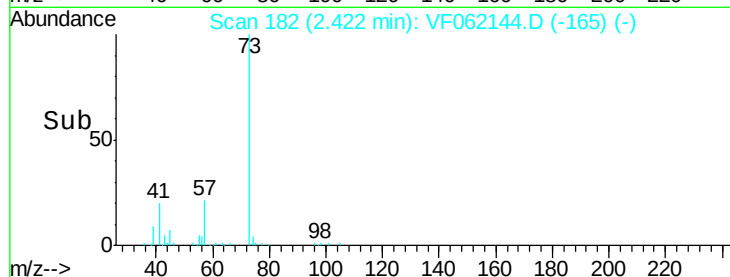
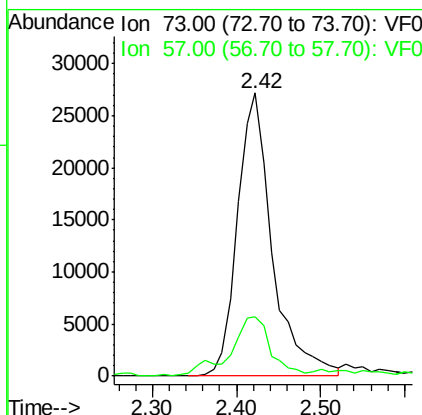
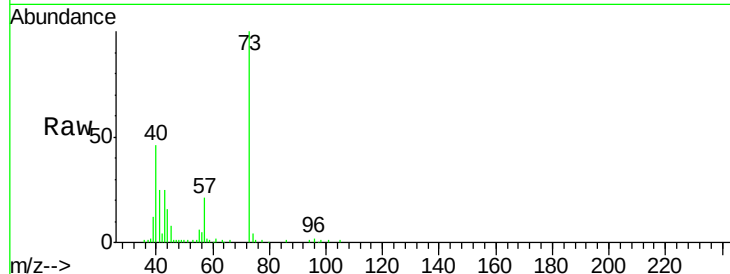
#19
Methyl tert-butyl Ether
Concen: 21.814 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	15.1	22.7

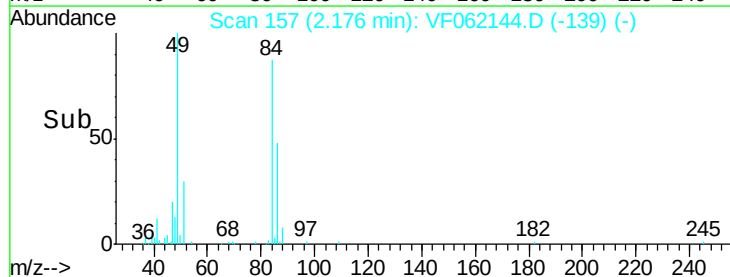
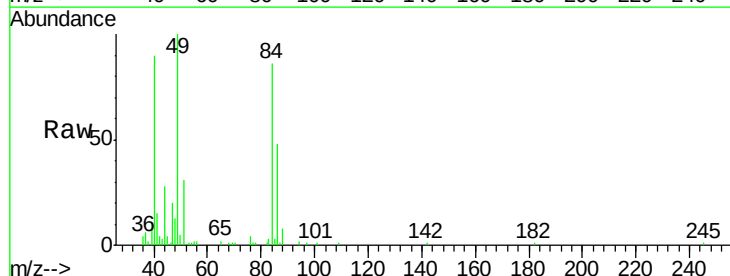
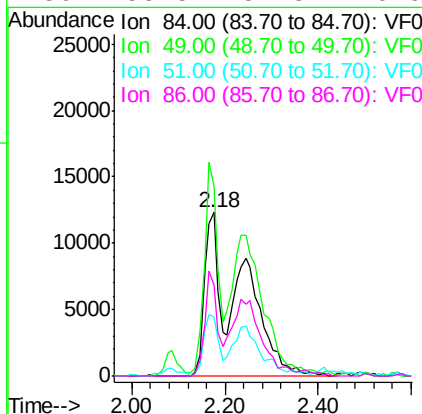
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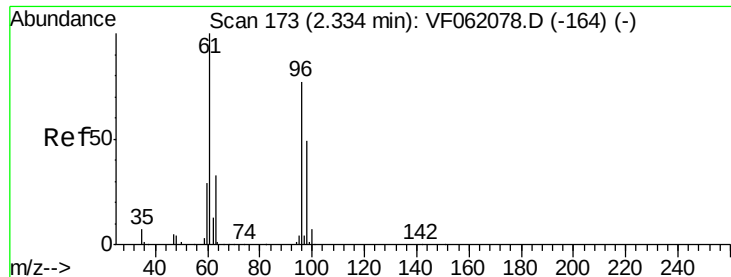
MMDadoda
3/27/2019 12:01:39 PM



#20
Methylene Chloride
Concen: 27.697 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	100.4	150.6
51	35.9	31.0	46.6
86	55.5	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 23.831 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

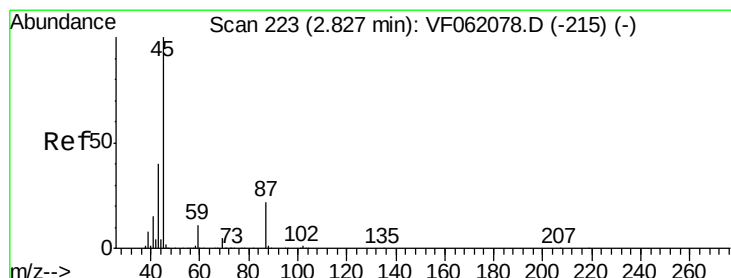
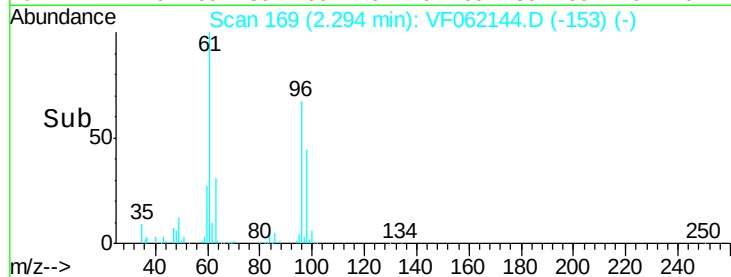
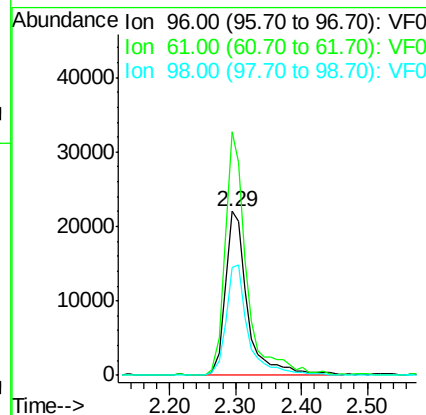
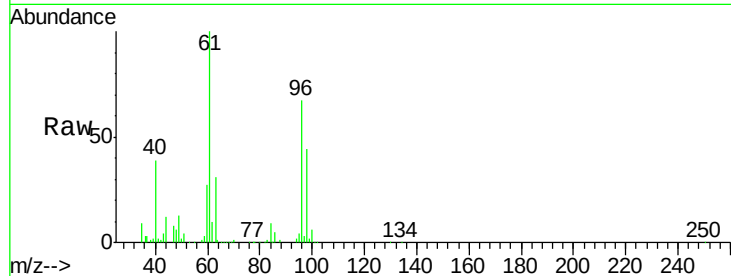
ClientSampleId :

VF0326SBS01

Tot Ion:	96	Resp:	52238
Ion	Ratio	Lower	Upper
96	100		
61	148.8	104.5	156.7
98	66.1	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.706 ug/l

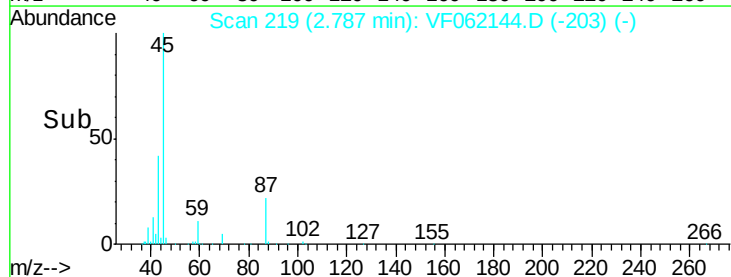
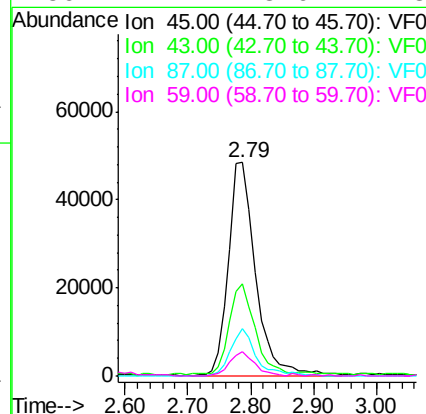
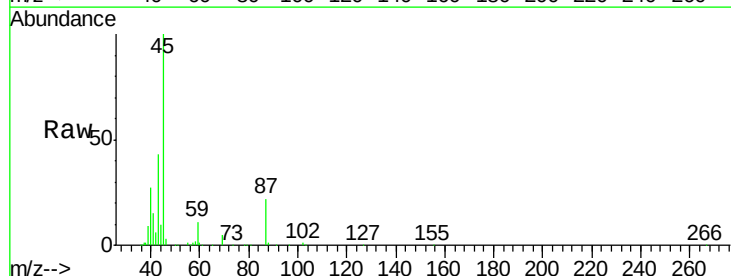
RT: 2.79 min Scan# 219

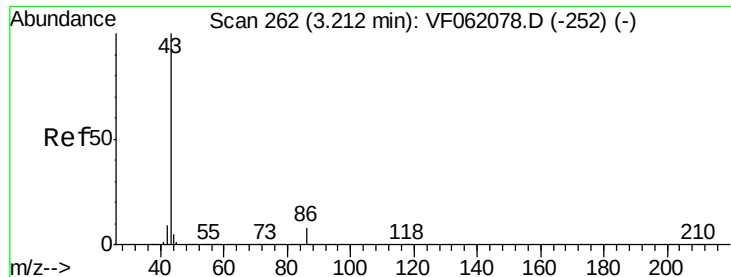
Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	45	Resp:	144803
Ion	Ratio	Lower	Upper
45	100		
43	43.3	32.5	48.7
87	22.0	17.4	26.2
59	11.1	8.6	12.8





#23

Vinyl Acetate

Concen: 119.398 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 43 Resp: 311754

Ion Ratio Lower Upper

43 100

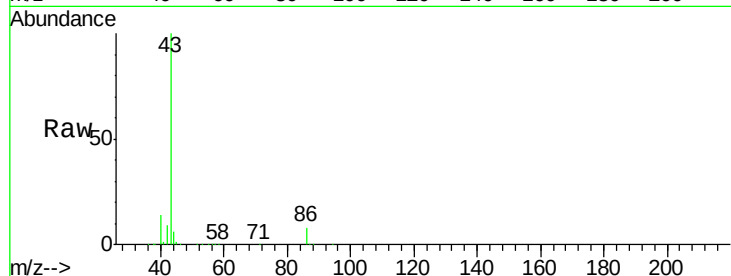
86 8.5 6.8 10.2

Manual Integrations

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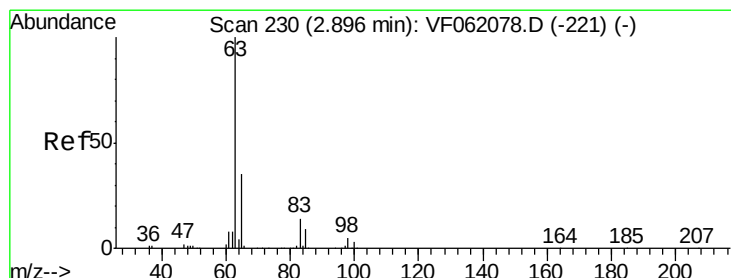
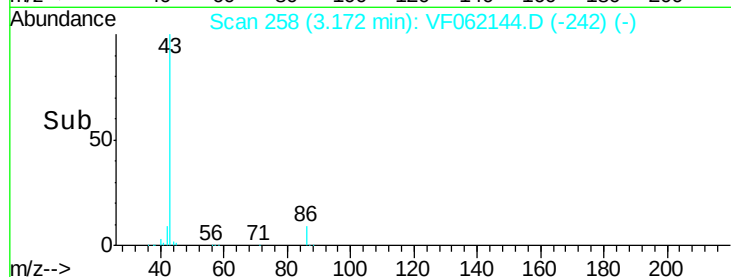
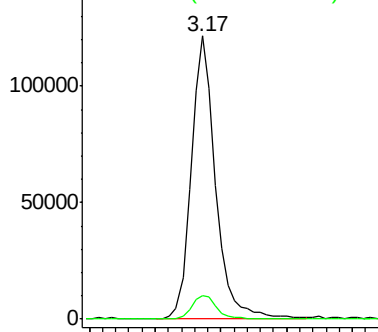
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 24.054 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

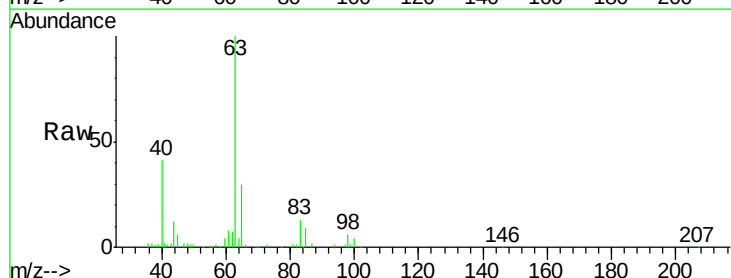
Tgt Ion: 63 Resp: 91991

Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

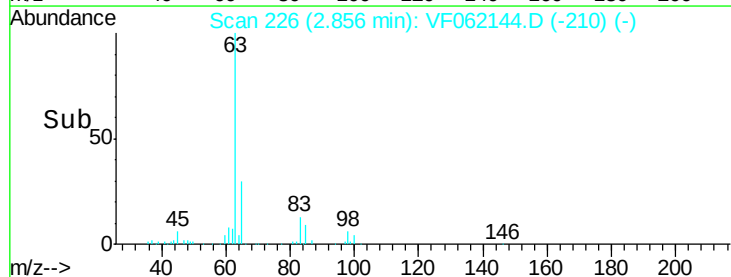
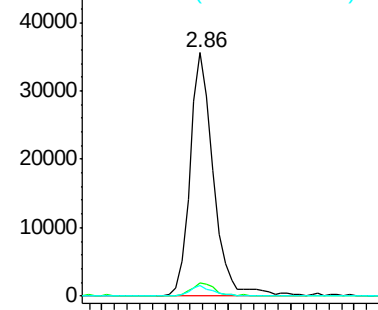
100 4.2 1.7 5.1

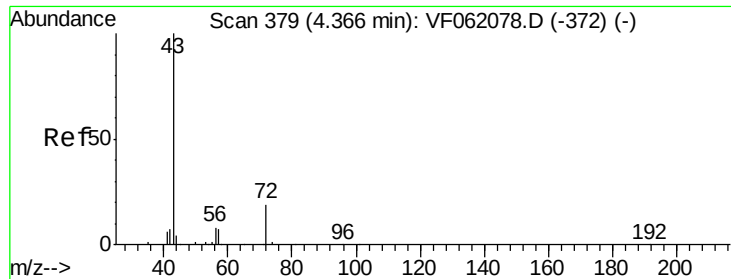


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 103.702 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tot Ion: 43 Resp: 80101

Ion Ratio Lower Upper

43 100

72 21.5 16.7 25.1

Instrument :

MSVOA_F

ClientSampleId :

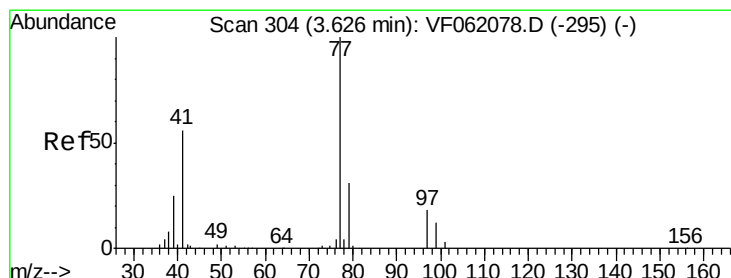
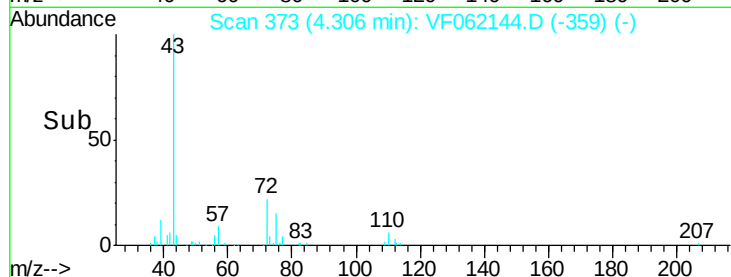
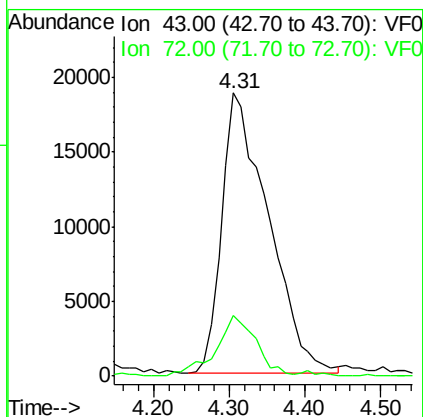
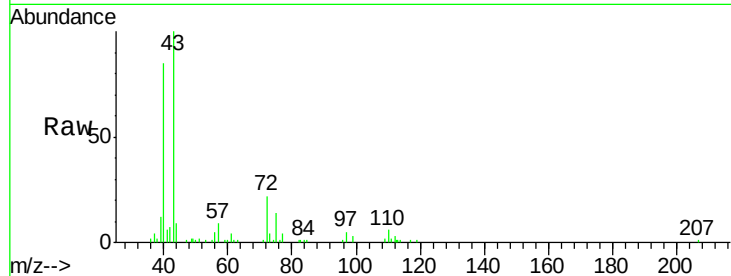
VF0326SBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.834 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.05 min

Lab File: VF062144.D

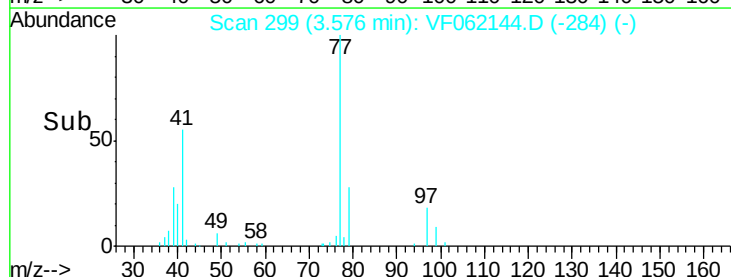
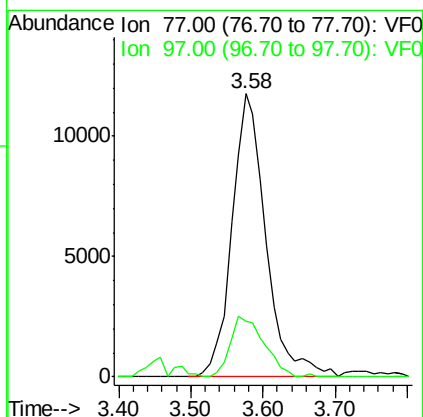
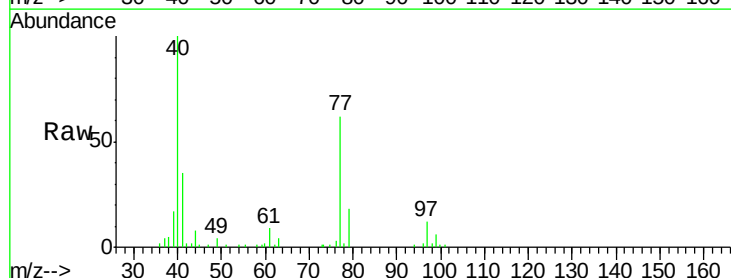
Acq: 26 Mar 2019 14:22

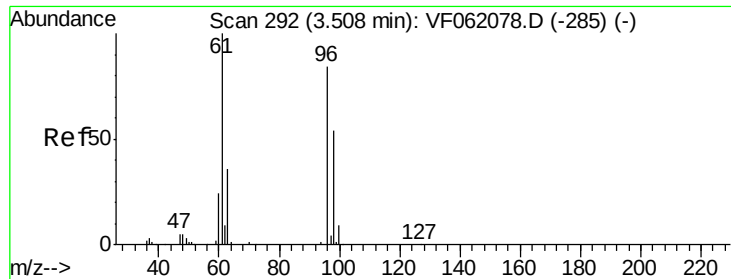
Tgt Ion: 77 Resp: 38507

Ion Ratio Lower Upper

77 100

97 19.8 10.3 30.9





#27

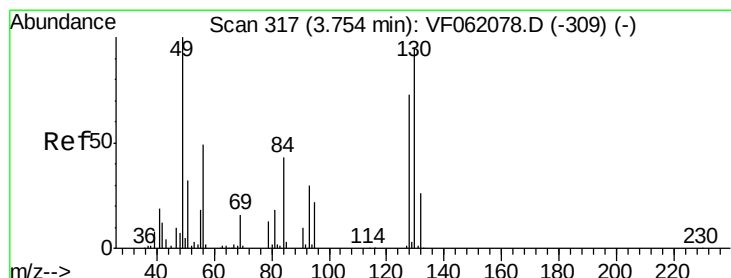
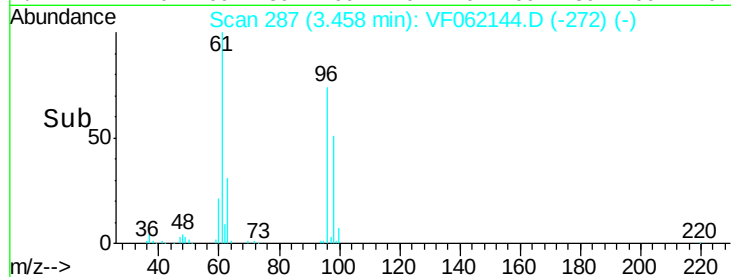
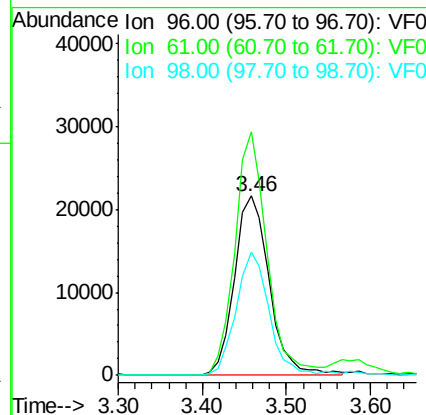
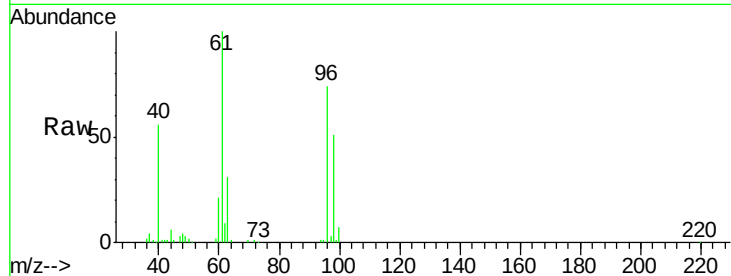
cis-1,2-Dichloroethene
Concen: 21.496 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		62440		
61	135.6	0.0	239.0		
98	68.7	0.0	128.2		

Manual Integrations
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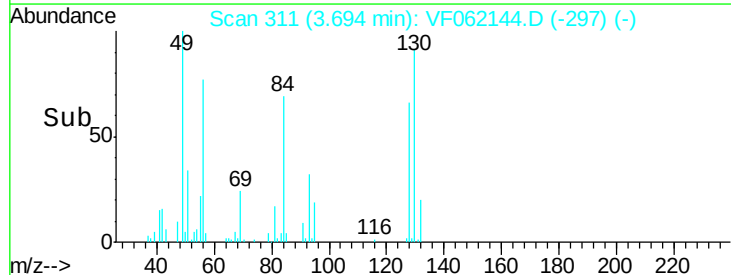
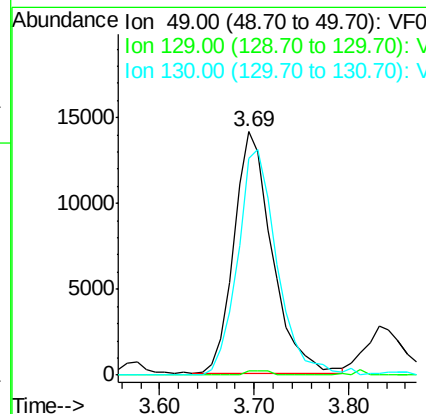
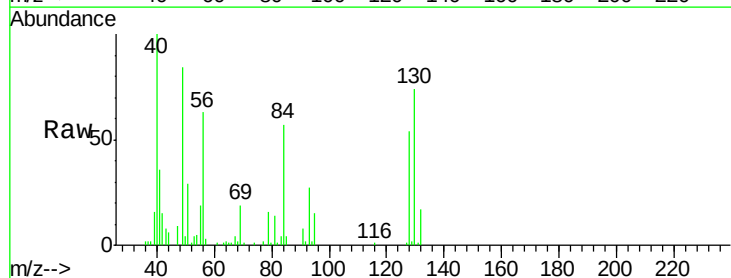
MMDadoda
3/27/2019 12:01:39 PM

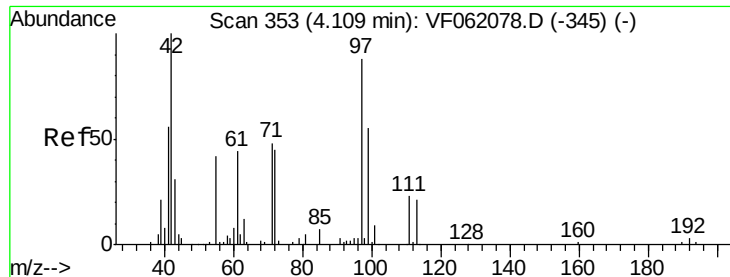


#28

Bromochloromethane
Concen: 25.207 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		39386		
129	1.9	0.0	5.6		
130	88.8	75.5	113.3		





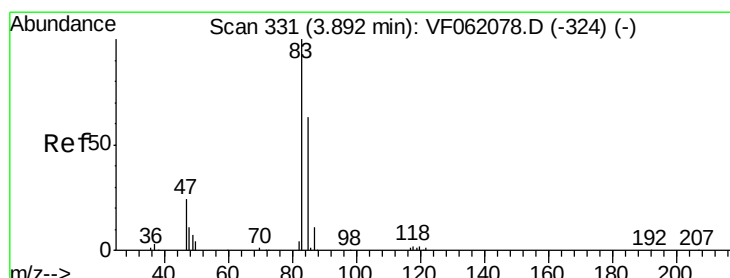
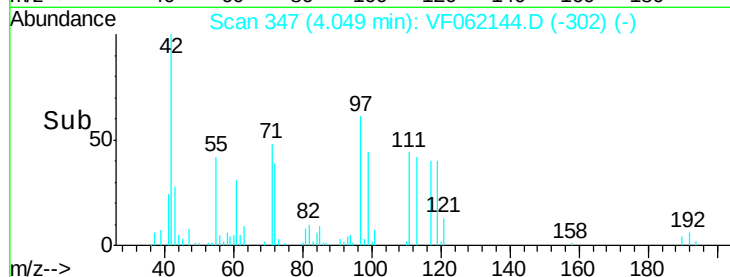
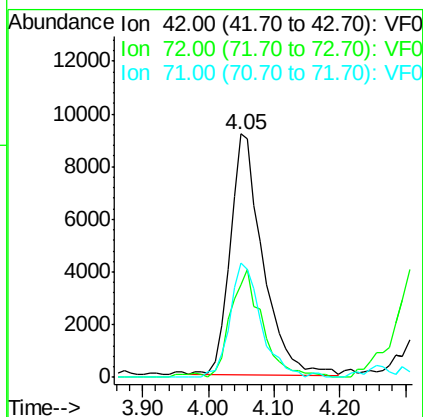
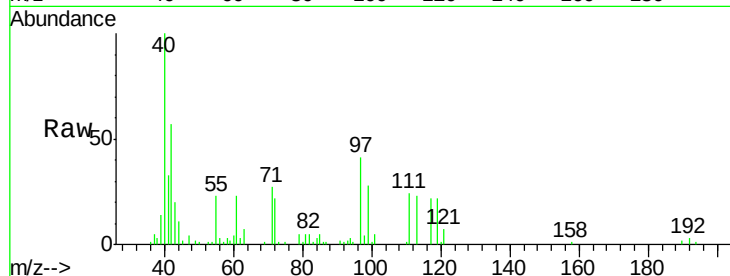
#29
Tetrahydrofuran
Concen: 94.549 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.3	49.9
71	45.2	35.0	52.4

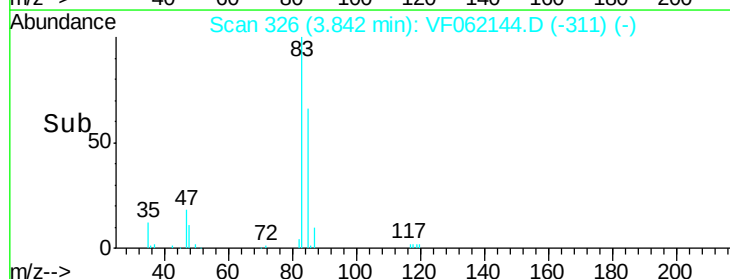
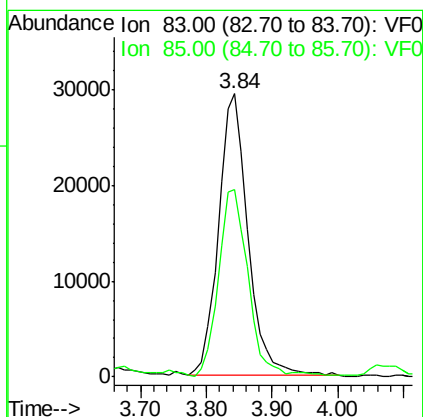
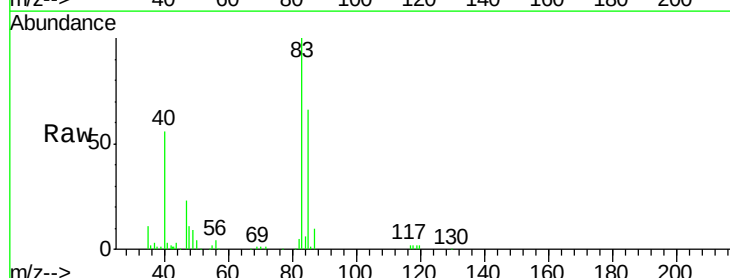
Manual Integrations
APPROVED

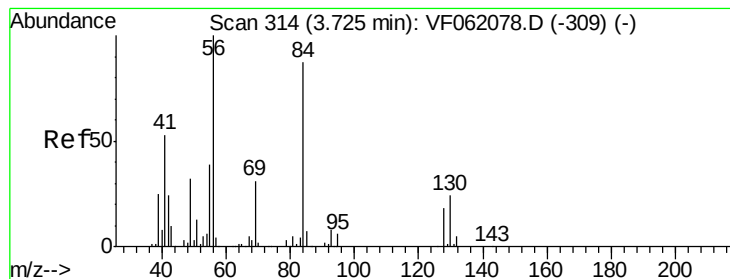
MMDadoda
3/27/2019 12:01:39 PM



#30
Chloroform
Concen: 22.470 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3





#31

Cyclohexane

Concen: 23.477 ug/l m

RT: 3.67 min Scan# 309

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

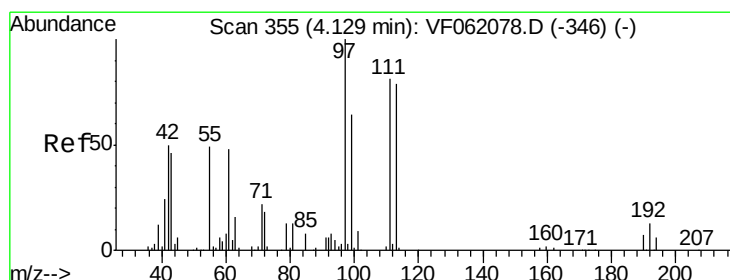
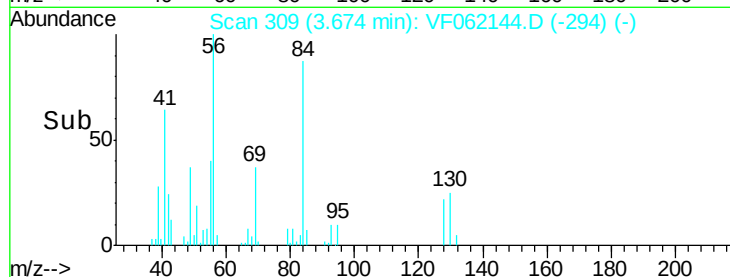
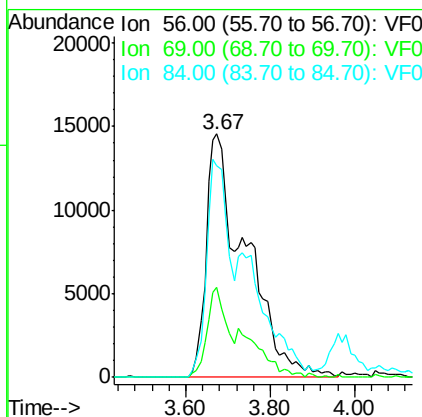
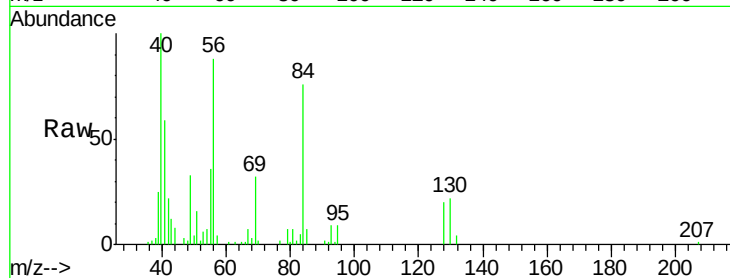
ClientSampleId :

VF0326SBS01

Tot Ion:	56	Resp:	93773
Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.9	38.9
84	86.8	71.1	106.7

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:01:39 PM



#32

1,1,1-Trichloroethane

Concen: 24.549 ug/l

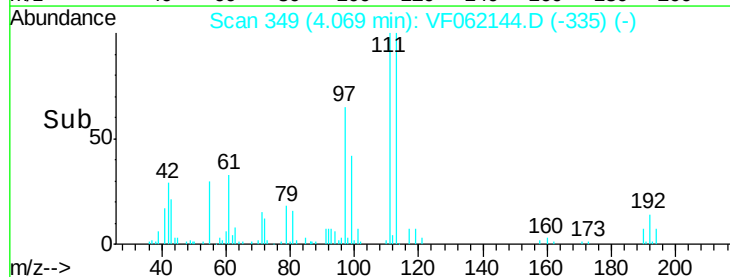
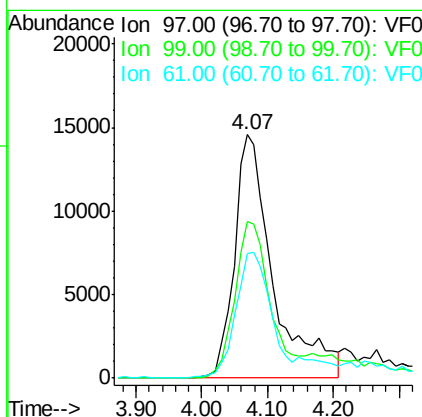
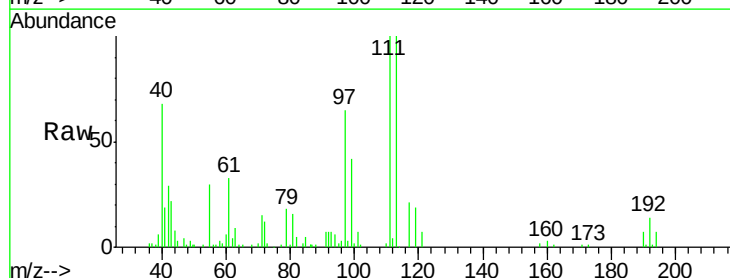
RT: 4.07 min Scan# 349

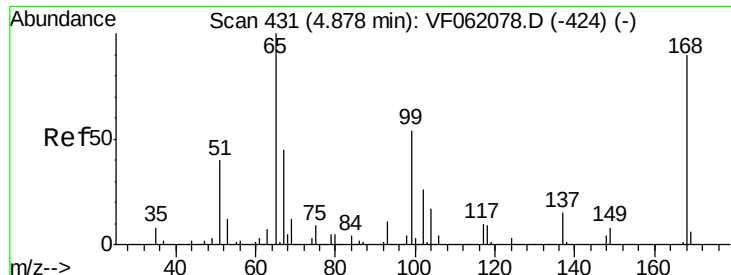
Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	97	Resp:	60356
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	51.3	39.0	58.6





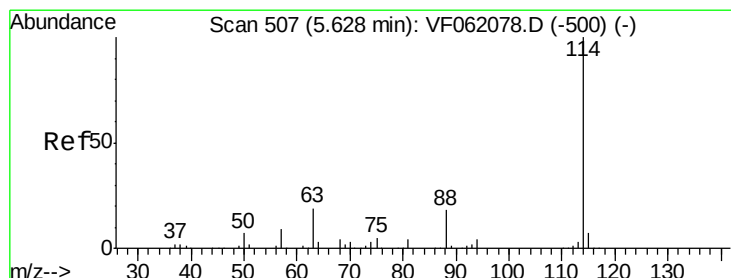
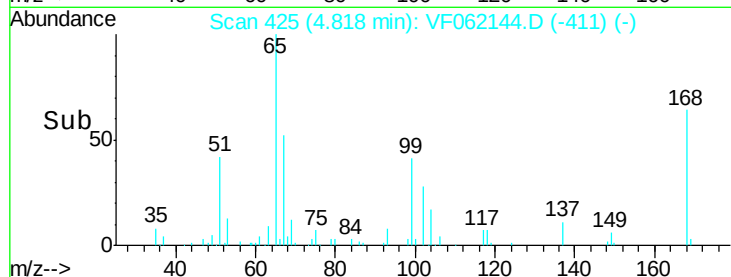
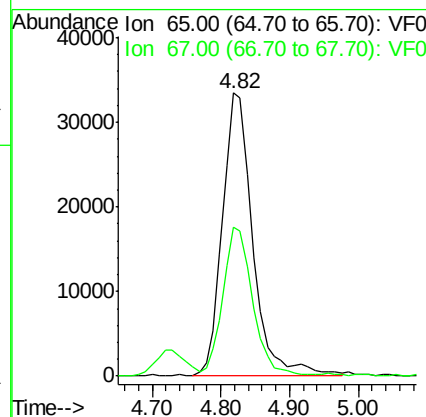
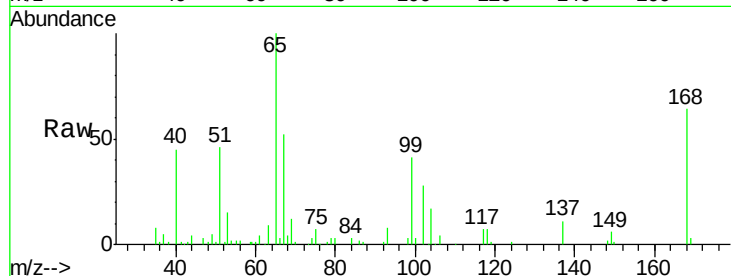
#33
 1,2-Dichloroethane-d4
 Concen: 58.268 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.06 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102435		
67	52.4	0.0	106.2	

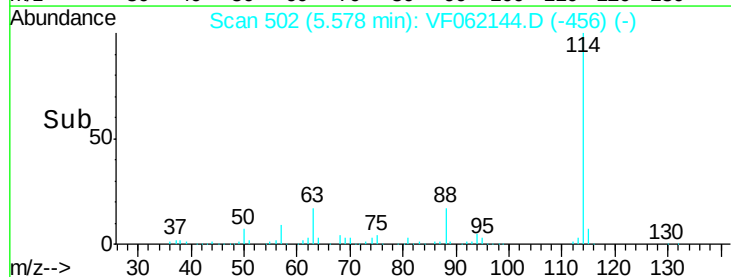
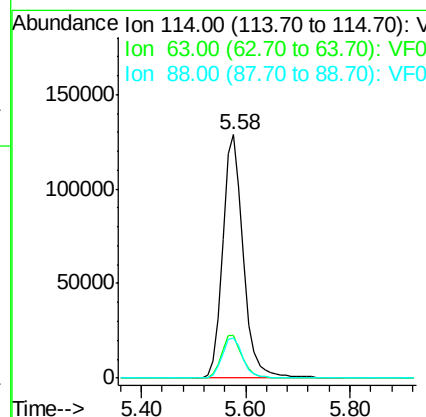
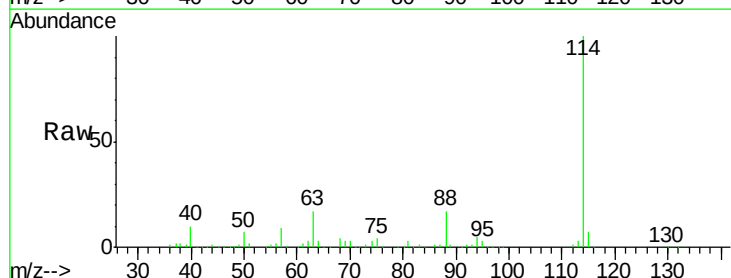
Manual Integrations
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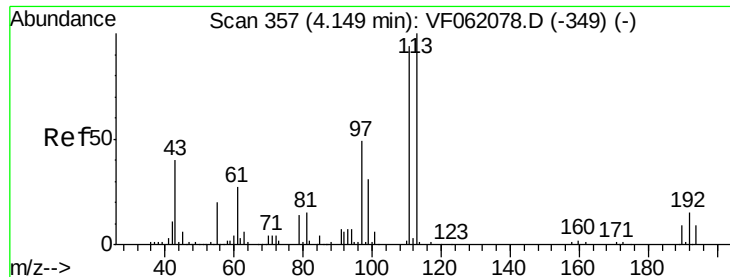
MMDadoda
 3/27/2019 12:01:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	351138		
63	17.3	0.0	37.8	
88	16.7	0.0	36.4	





#35

Dibromofluoromethane

Concen: 59.395 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

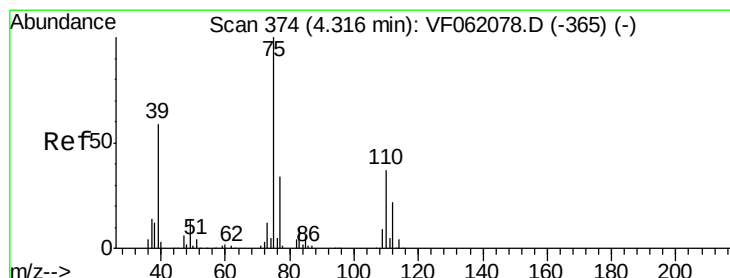
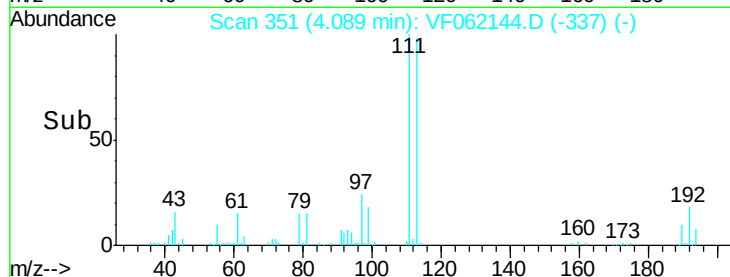
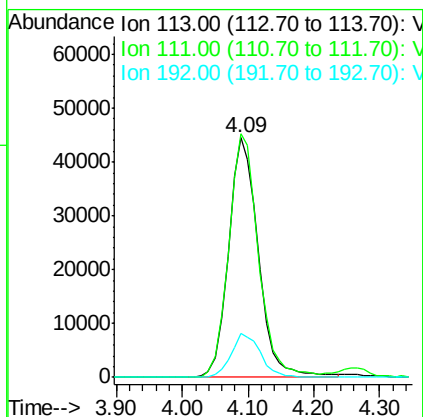
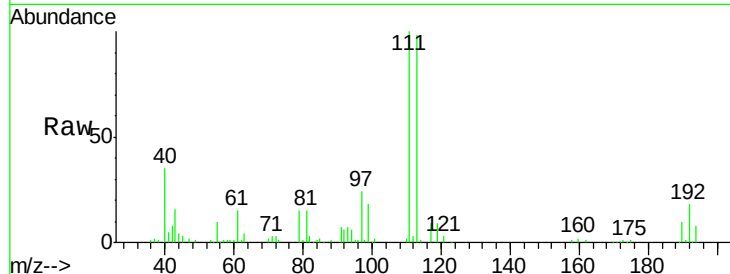
ClientSampleId :

VF0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141082		
111	101.8	75.4	113.0	
192	18.9	12.3	18.5	

Manual Integrations
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MMDadoda
3/27/2019 12:01:39 PM



#36

1,1-Dichloropropene

Concen: 22.716 ug/l

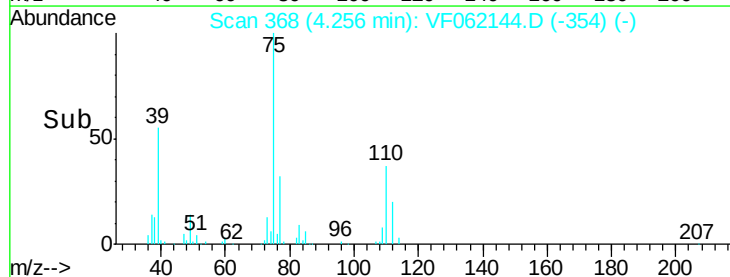
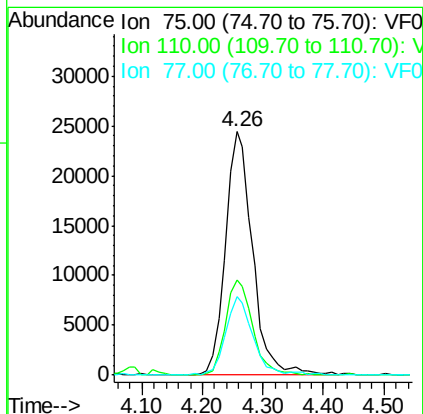
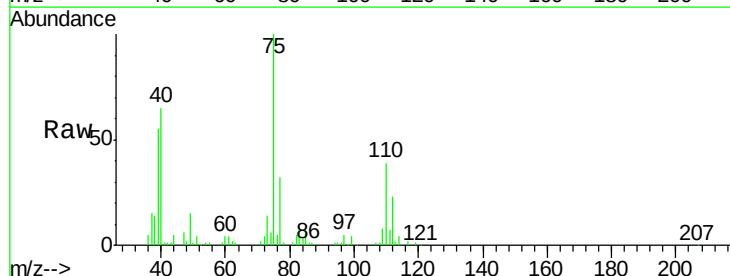
RT: 4.26 min Scan# 368

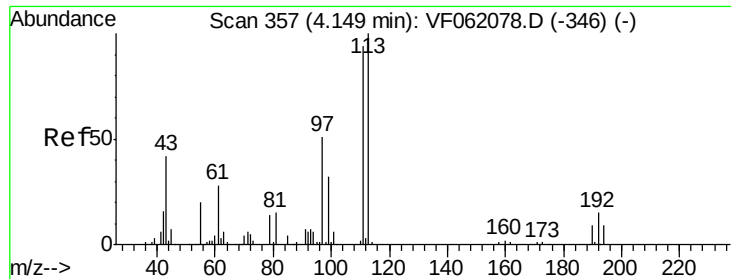
Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75977		
110	38.9	18.5	55.5	
77	32.4	27.4	41.0	





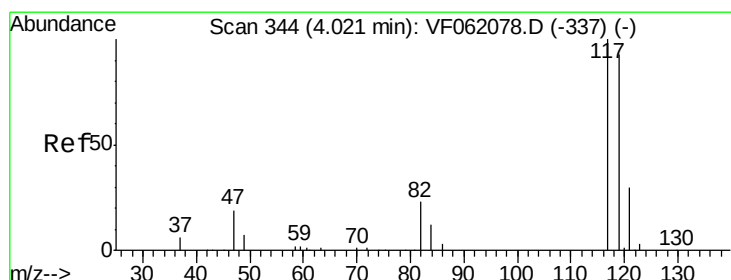
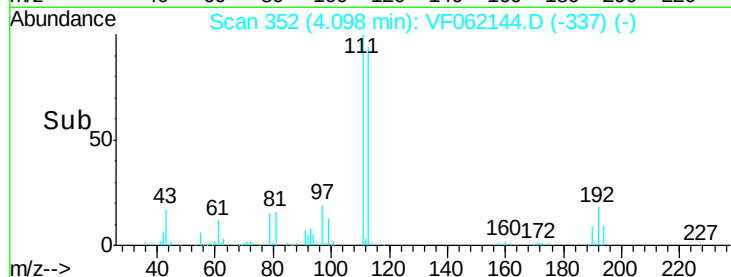
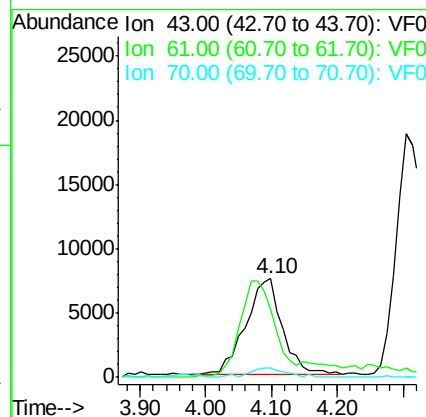
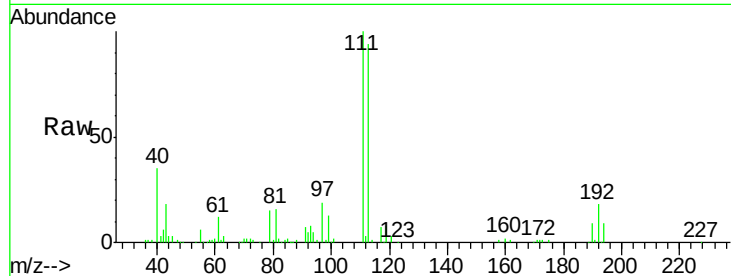
#37
Ethyl Acetate
Concen: 19.932 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	68.9	53.6	80.4	
70	9.2	9.0	13.6	

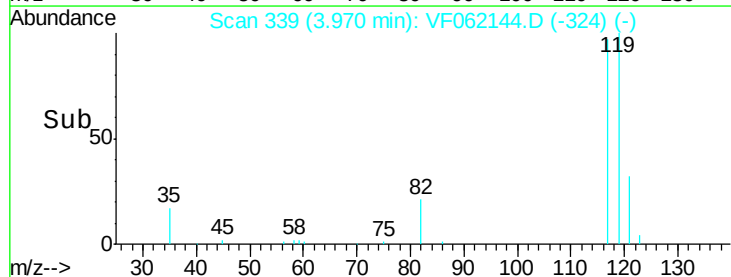
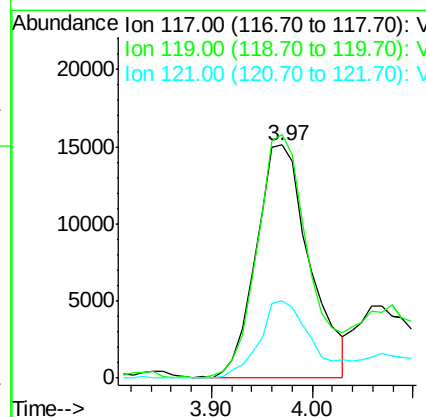
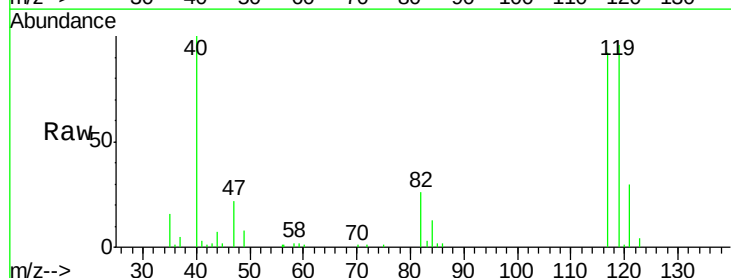
Manual Integrations
APPROVED

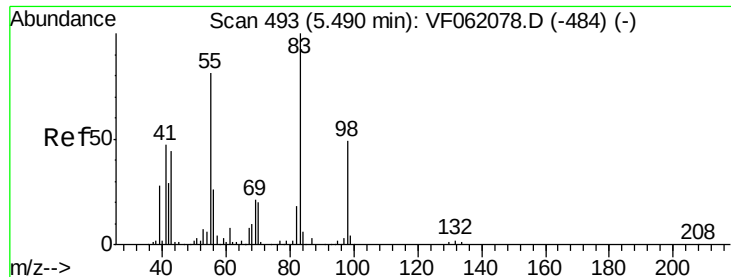
MMDadoda
3/27/2019 12:01:39 PM



#38
Carbon Tetrachloride
Concen: 24.398 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	104.5	74.7	112.1	
121	33.1	23.6	35.4	





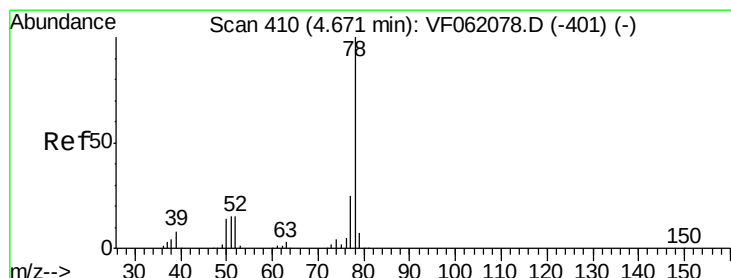
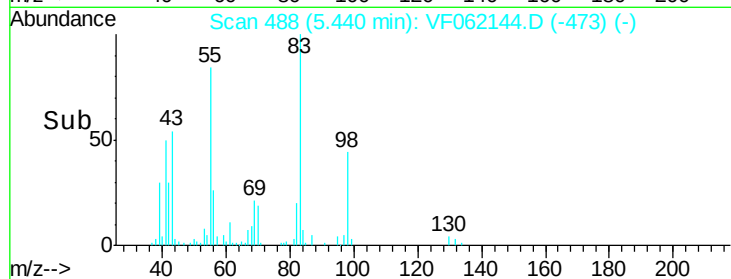
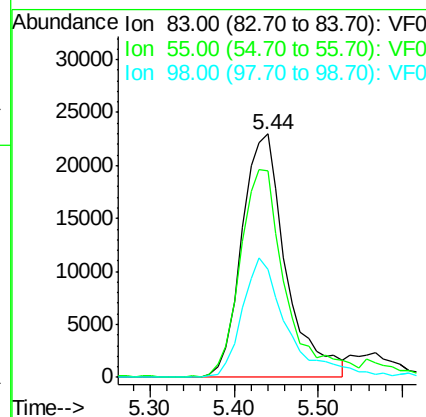
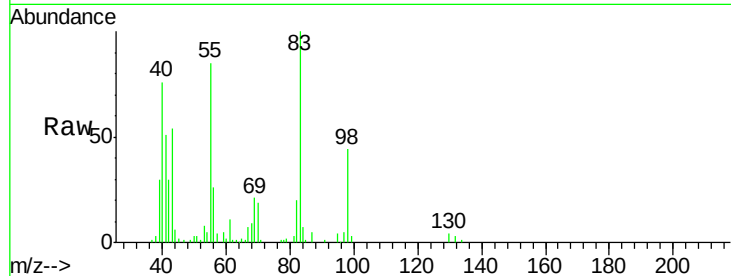
#39
Methylvlcyclohexane
Concen: 21.730 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	83	Resp	84350
Ion Ratio	Lower	Upper	
83	100		
55	85.0	64.5	96.7
98	44.4	39.1	58.7

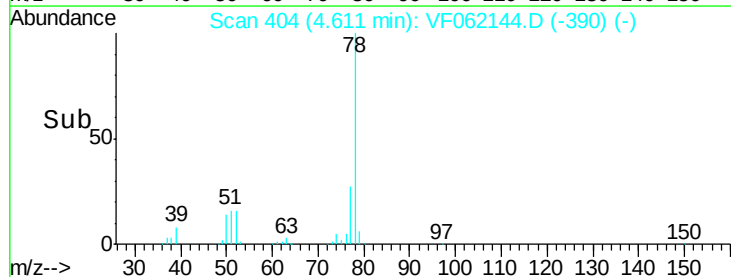
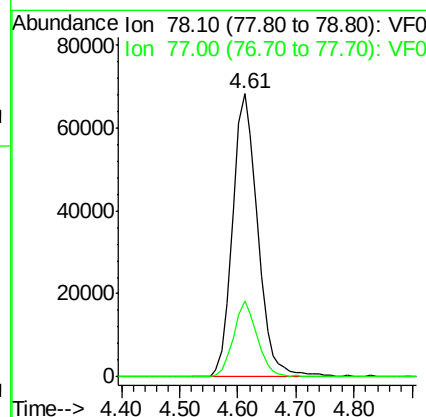
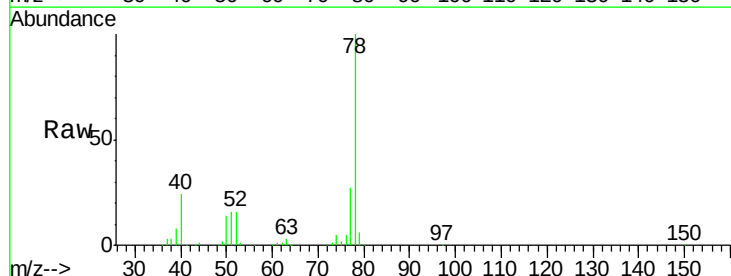
Manual Integrations
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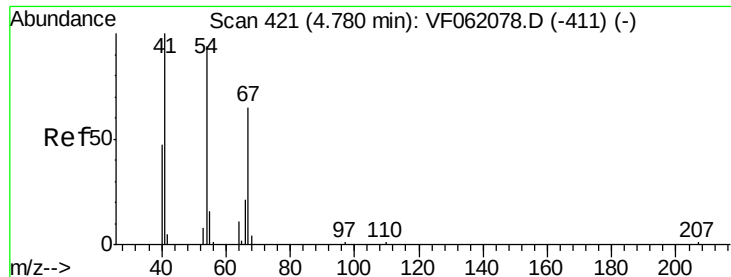
MMDadoda
3/27/2019 12:01:39 PM



#40
Benzene
Concen: 22.847 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	78	Resp	204849
Ion Ratio	Lower	Upper	
78	100		
77	26.8	19.8	29.6





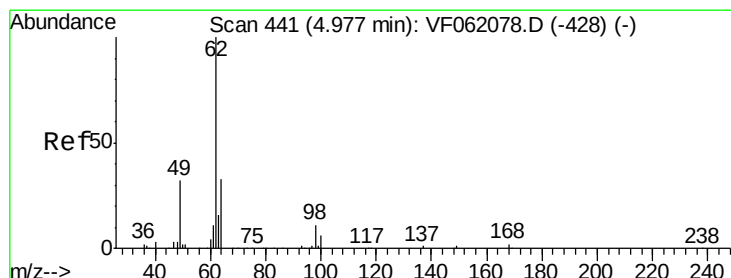
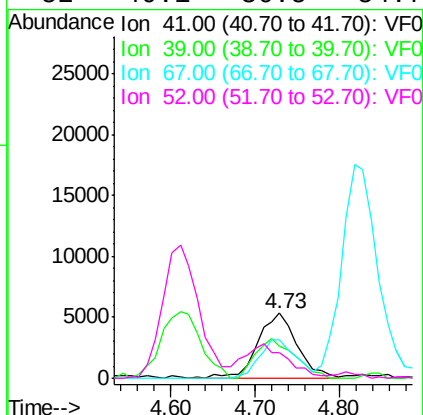
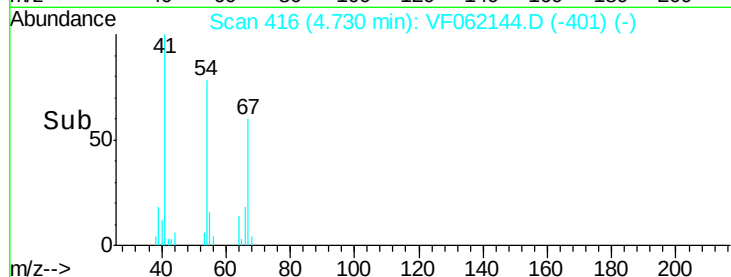
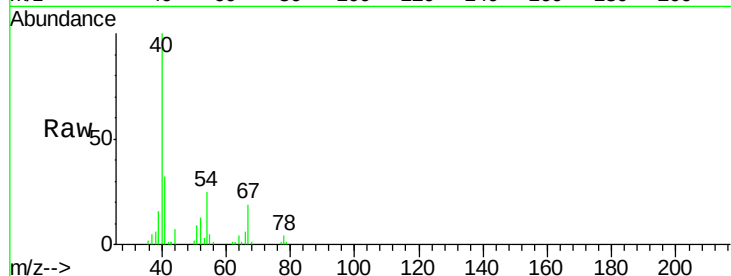
#41
Methacrylonitrile
Concen: 22.413 ug/l
RT: 4.73 min Scan# 416
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.2	43.5	65.3	
67	58.4	51.6	77.4	
52	40.1	36.5	54.7	

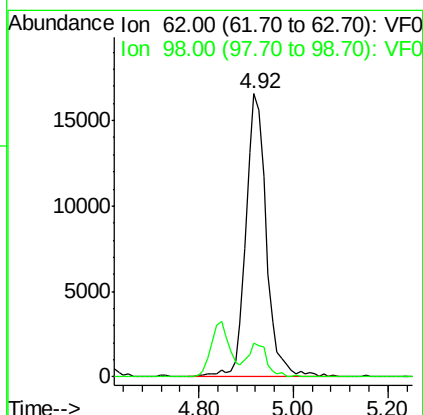
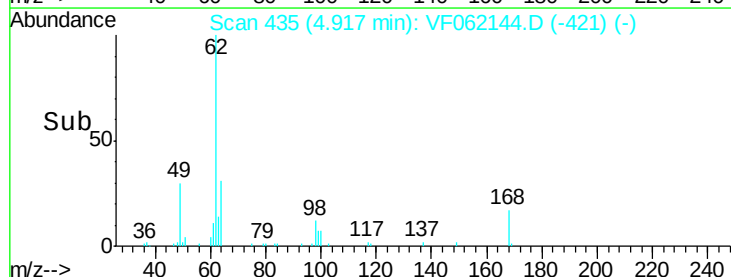
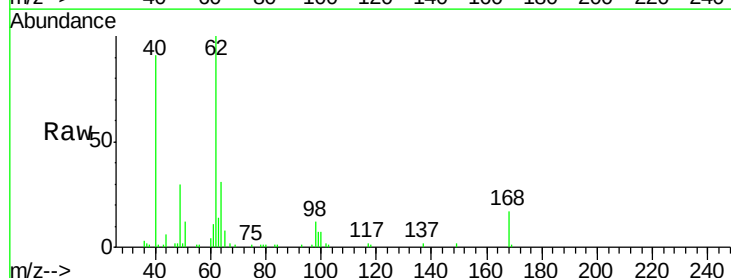
Manual Integrations
APPROVED

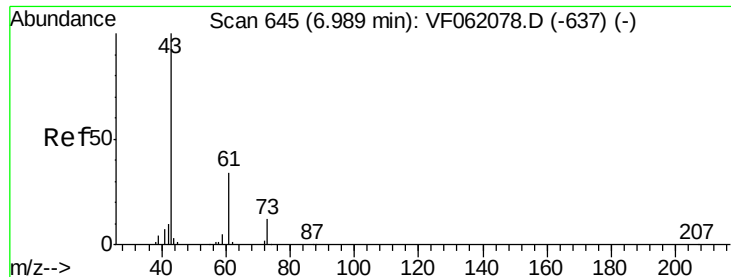
MMDadoda
3/27/2019 12:01:39 PM



#42
1,2-Dichloroethane
Concen: 23.622 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.8	0.0	23.2	





#43

Isopropyl Acetate

Concen: 22.467 ug/l

RT: 6.94 min Scan# 640

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

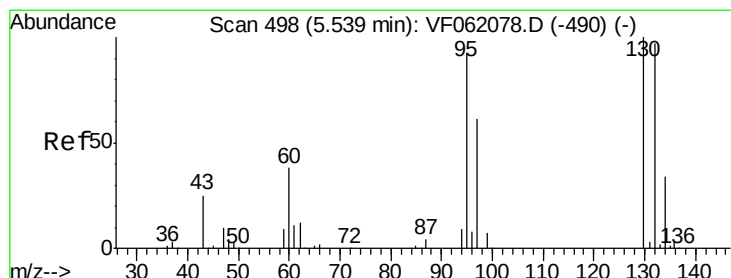
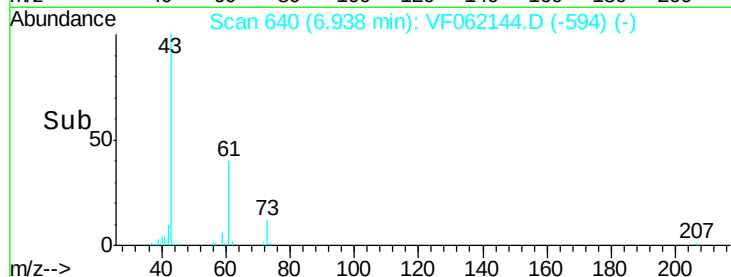
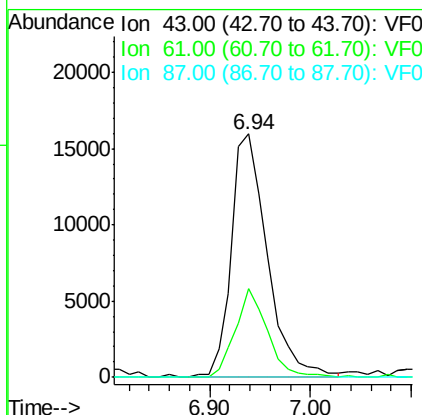
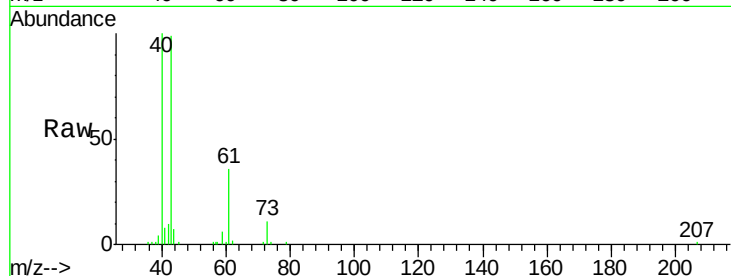
ClientSampleId :

VF0326SBS01

Tot Ion:	43	Resp:	39771
Ion	Ratio	Lower	Upper
43	100		
61	36.3	27.0	40.4
87	0.0	0.4	0.6#

Manual Integrations
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3/27/2019 12:01:39 PM



#44

Trichloroethene

Concen: 24.007 ug/l

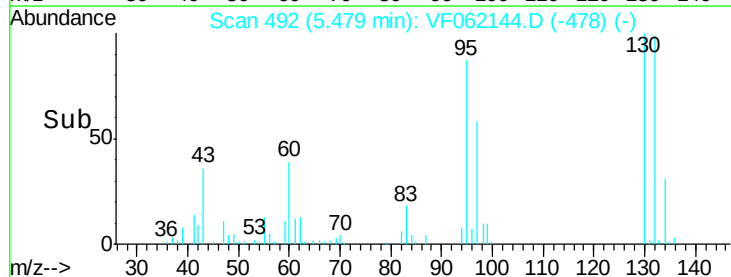
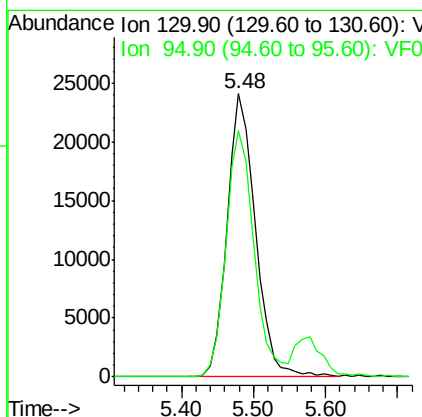
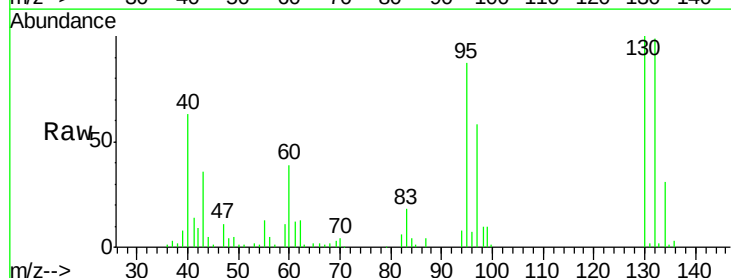
RT: 5.48 min Scan# 492

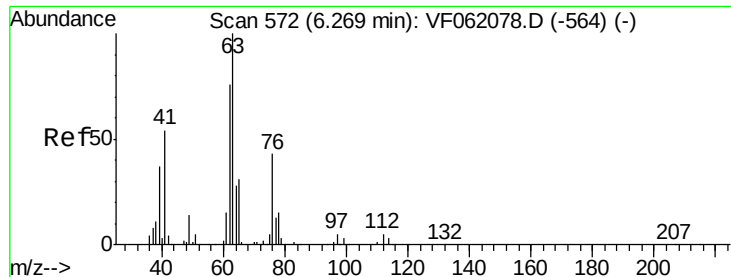
Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	130	Resp:	65809
Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	183.4





#45

1,2-Dichloropropane

Concen: 22.370 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 63 Resp: 47838

Ion Ratio Lower Upper

63 100

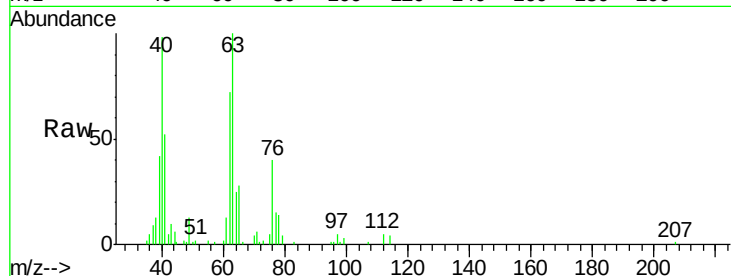
65 28.3 24.9 37.3

Manual Integrations

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MMDadoda

3/27/2019 12:01:39 PM



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

20000

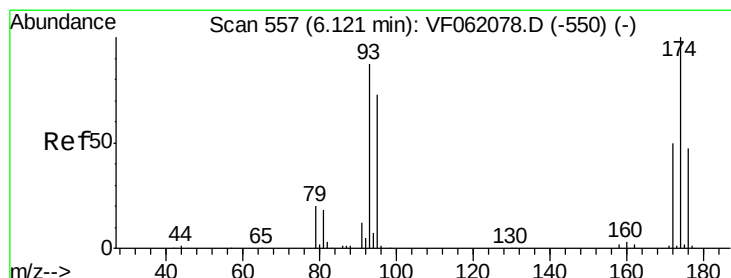
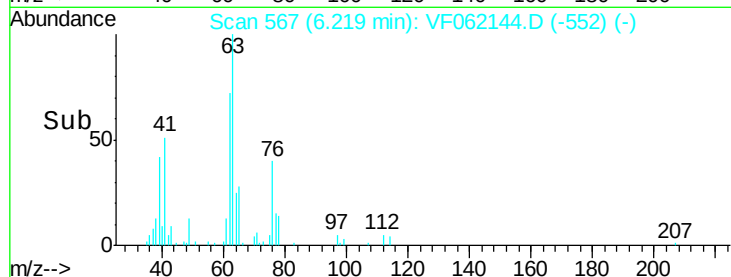
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 21.080 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

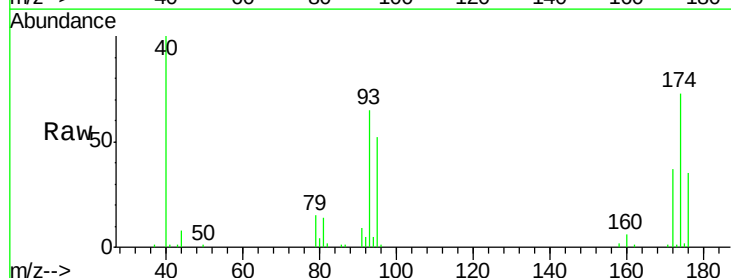
Tgt Ion: 93 Resp: 27563

Ion Ratio Lower Upper

93 100

95 80.0 67.4 101.2

174 113.0 92.0 138.0



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

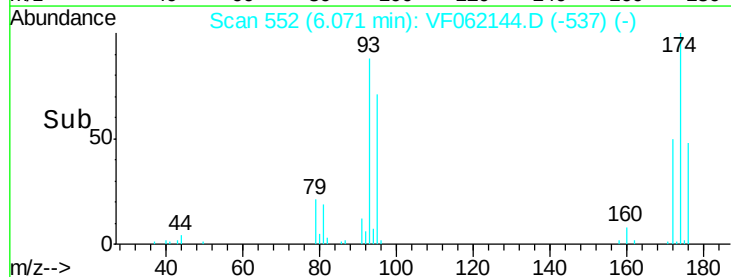
15000

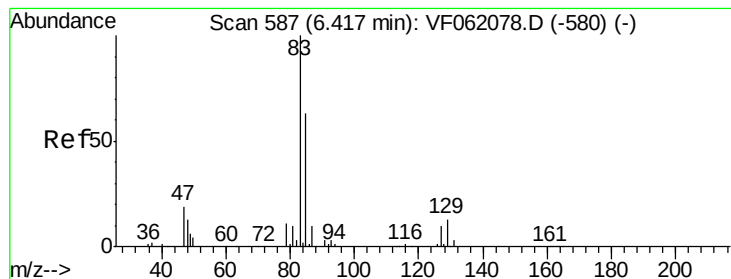
10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 22.495 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

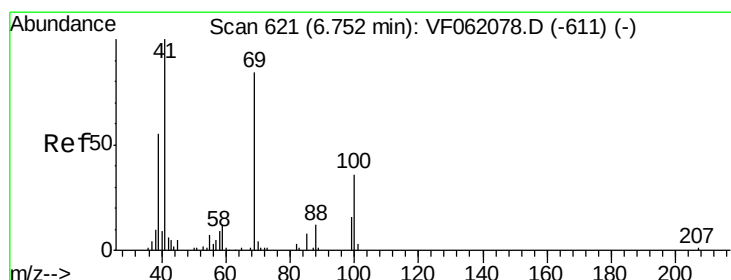
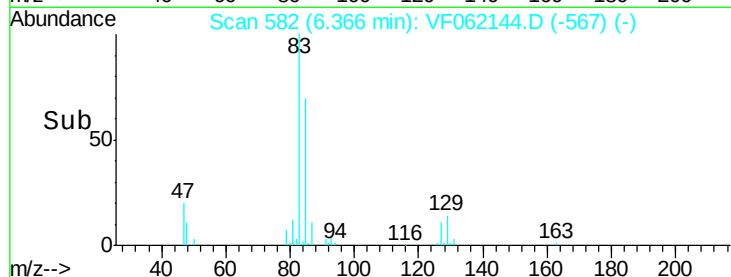
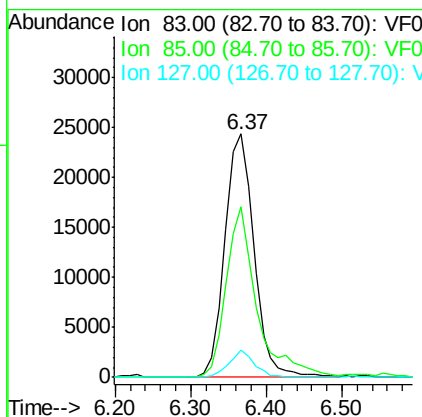
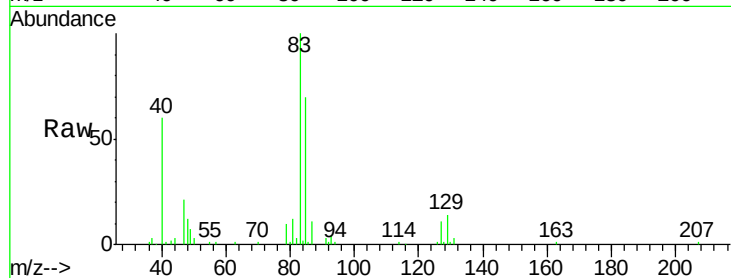
ClientSampleId :

VF0326SBS01

Tot Ion:	83	Resp:	65152
Ion	Ratio	Lower	Upper
83	100		
85	70.0	50.7	76.1
127	11.0	7.8	11.6

Manual Integrations
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MMDadoda
3/27/2019 12:01:39 PM



#48

Methyl methacrylate

Concen: 22.020 ug/l

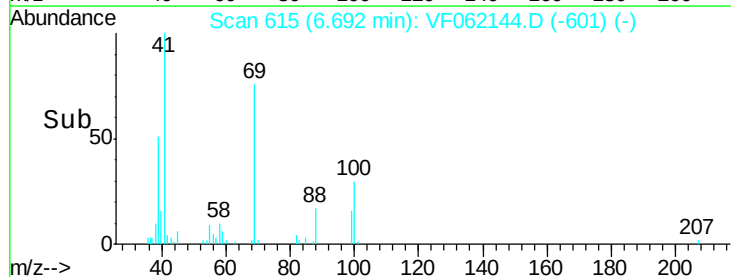
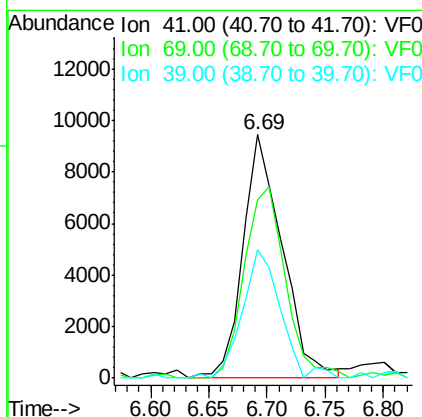
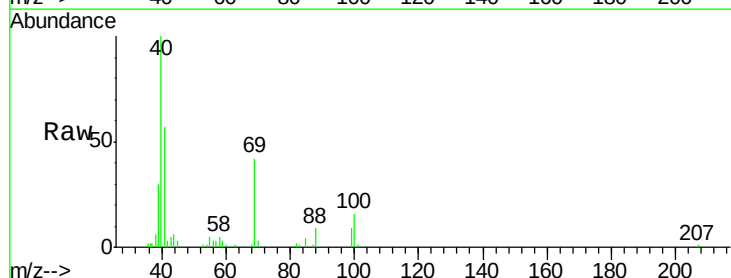
RT: 6.69 min Scan# 615

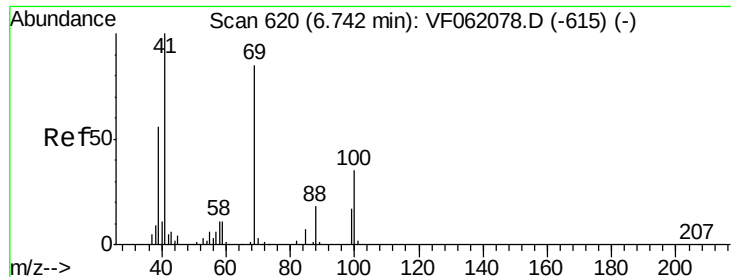
Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	41	Resp:	22194
Ion	Ratio	Lower	Upper
41	100		
69	73.5	66.6	100.0
39	52.7	43.6	65.4





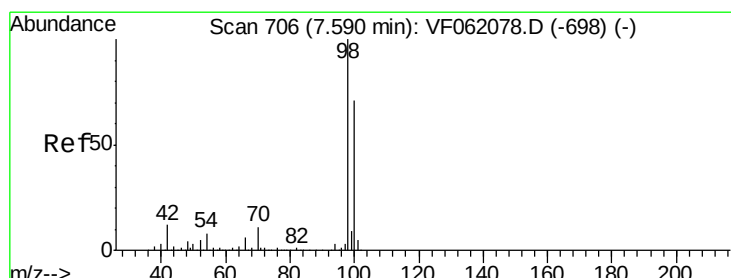
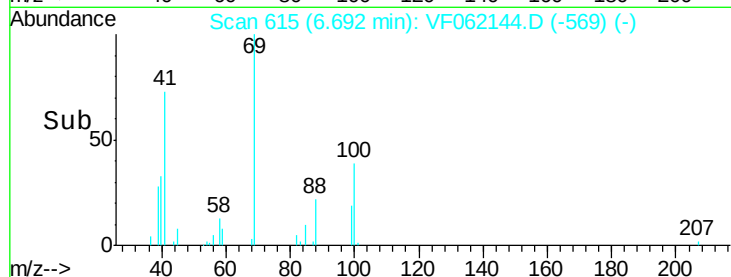
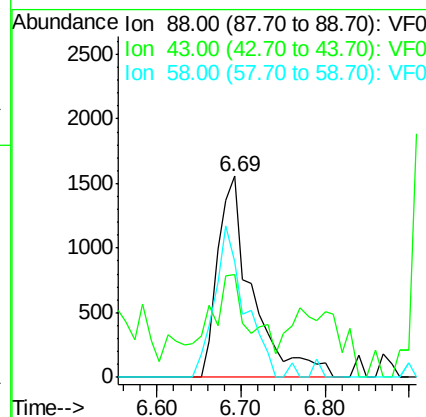
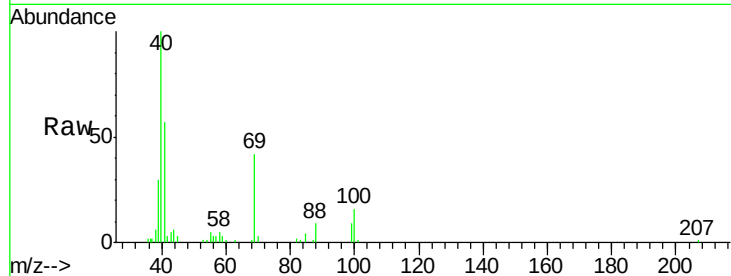
#49
1,4-Dioxane
Concen: 502.495 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	88	Resp	4444
Ion	Ratio	Lower	Upper
88	100		
43	51.2	35.0	52.4
58	57.6	49.9	74.9

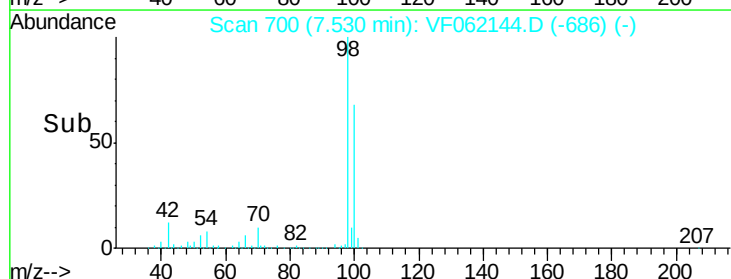
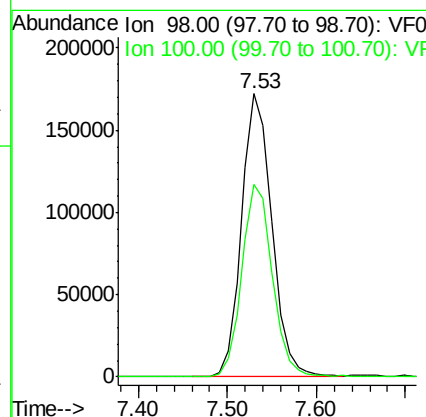
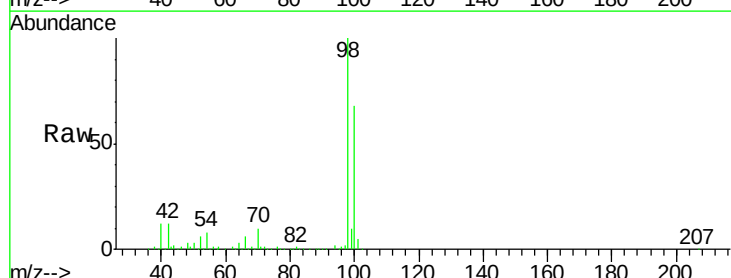
Manual Integrations
APPROVED

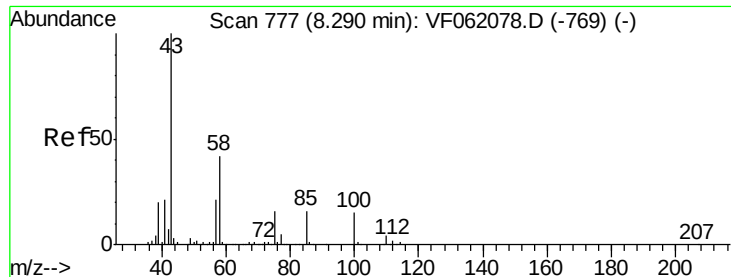
MMDadoda
3/27/2019 12:01:39 PM



#50
Toluene-d8
Concen: 57.462 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	98	Resp	407422
Ion	Ratio	Lower	Upper
98	100		
100	68.1	57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 119.984 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 43 Resp: 142156

Ion Ratio Lower Upper

43 100

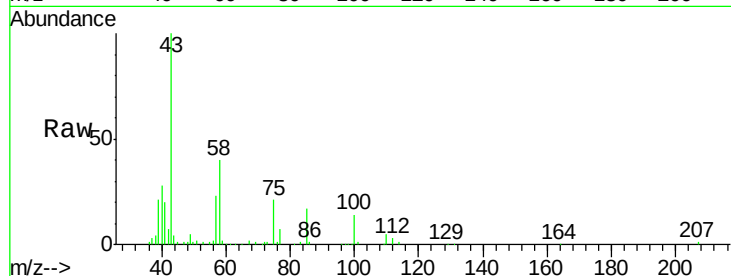
58 40.1 33.8 50.8

Manual Integrations

APPROVED

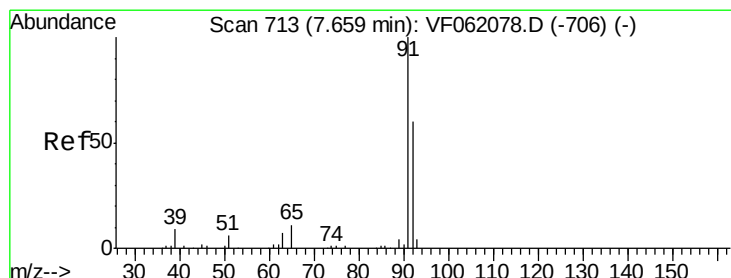
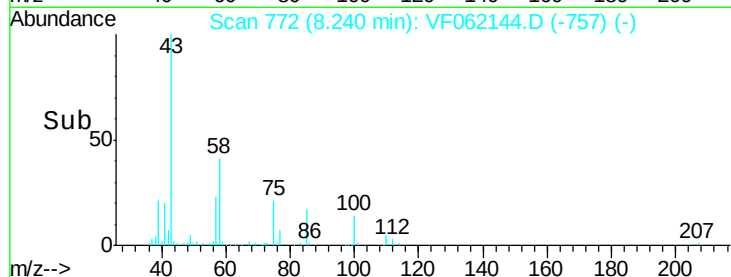
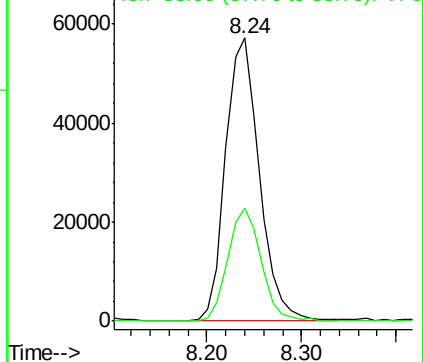
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.445 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF062144.D

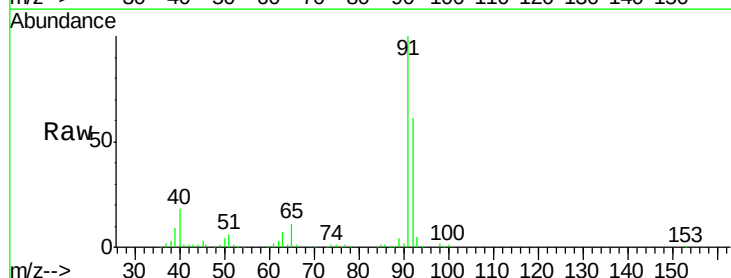
Acq: 26 Mar 2019 14:22

Tgt Ion: 92 Resp: 116565

Ion Ratio Lower Upper

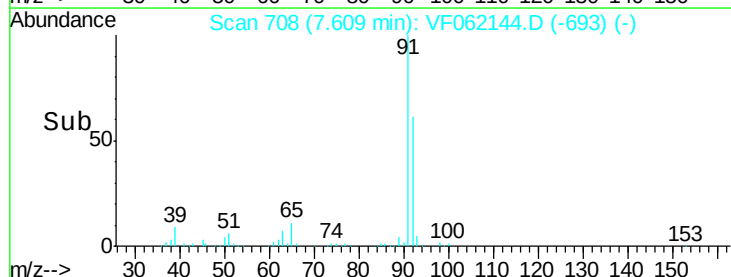
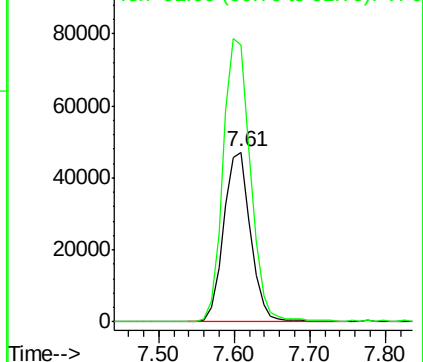
92 100

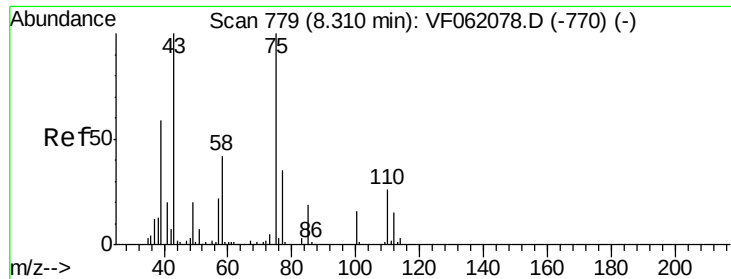
91 163.1 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 24.298 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 75 Resp: 55244

Ion Ratio Lower Upper

75 100

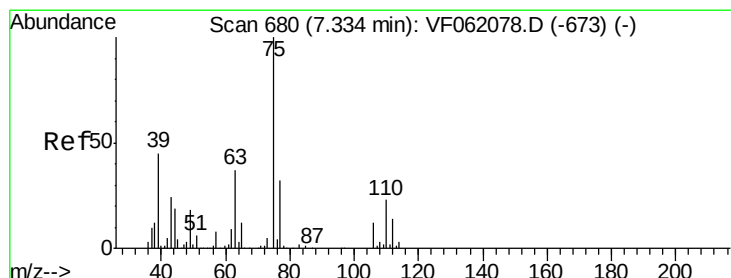
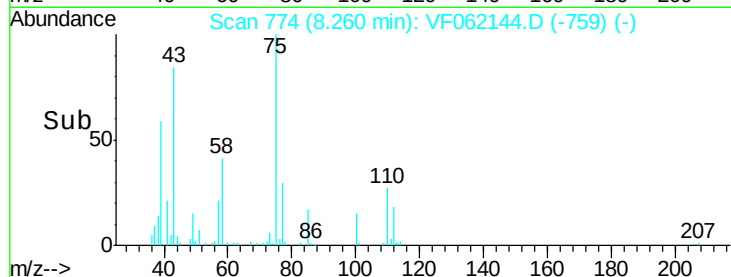
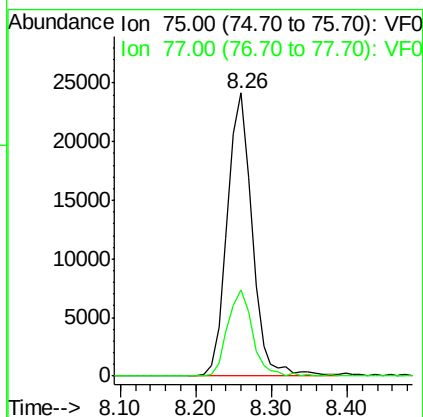
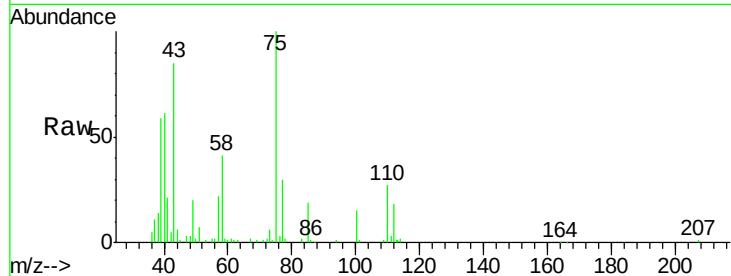
77 30.4 28.0 42.0

Manual Integrations

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MMDadoda

3/27/2019 12:01:39 PM



#54

cis-1,3-Dichloropropene

Concen: 22.511 ug/l

RT: 7.28 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

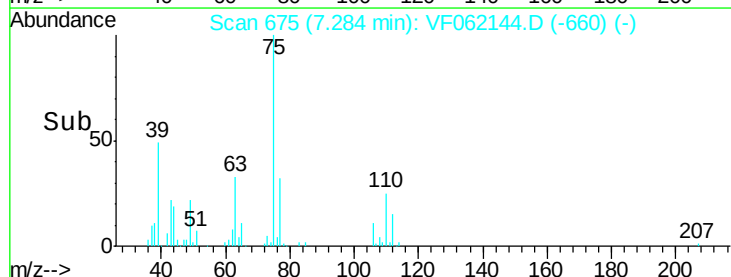
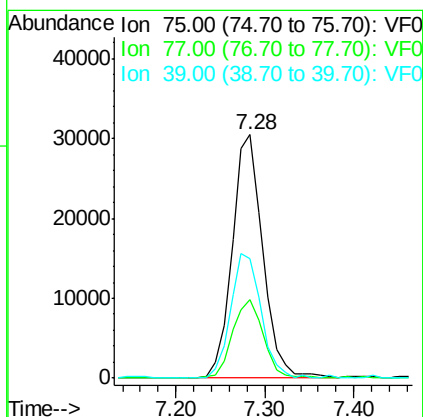
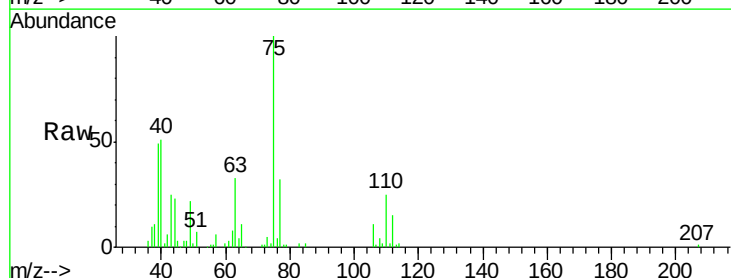
Tgt Ion: 75 Resp: 73231

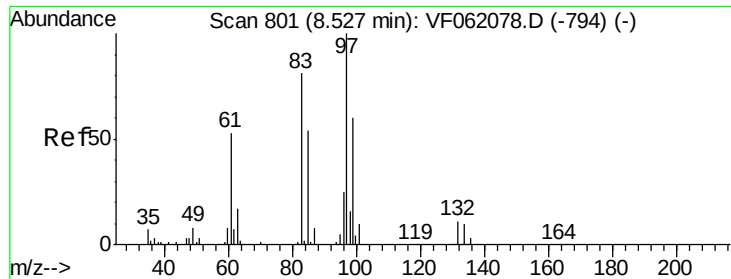
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 48.8 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 22.158 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

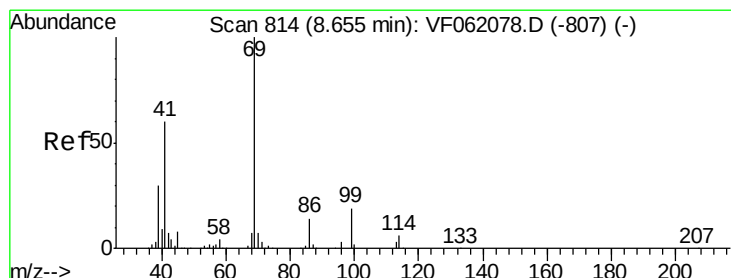
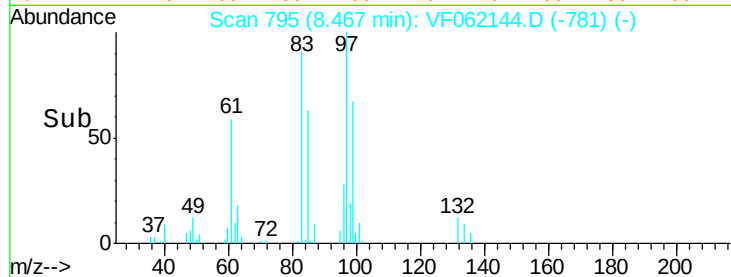
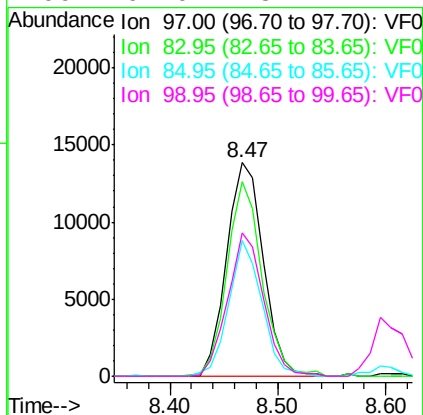
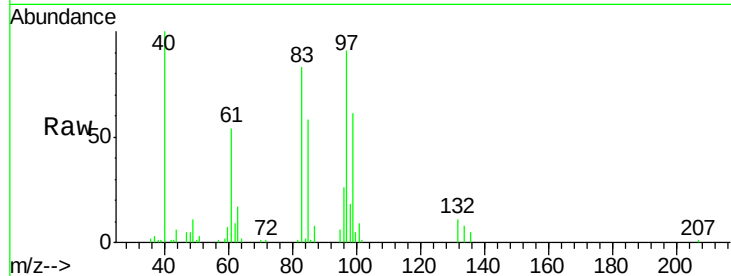
ClientSampleId :

VF0326SBS01

Tot Ion:	97	Resp:	32686
Ion	Ratio	Lower	Upper
97	100		
83	91.2	64.6	97.0
85	64.3	43.6	65.4
99	67.0	48.2	72.2

Manual Integrations
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MMDadoda
3/27/2019 12:01:39 PM



#56

Ethyl methacrylate

Concen: 23.337 ug/l

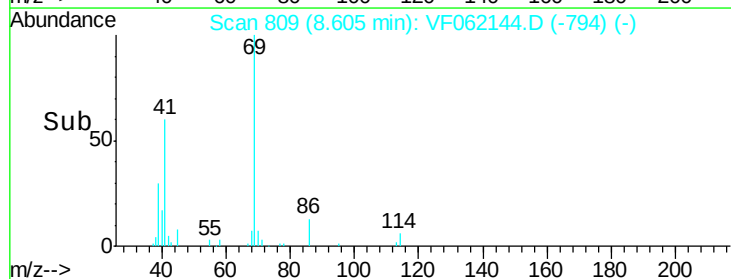
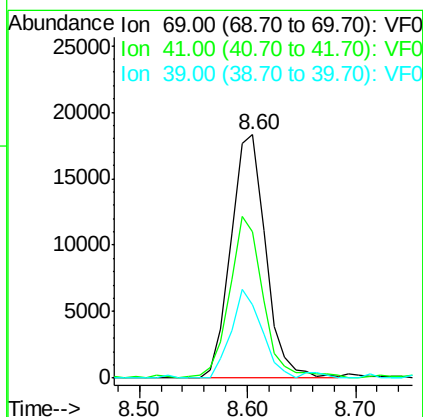
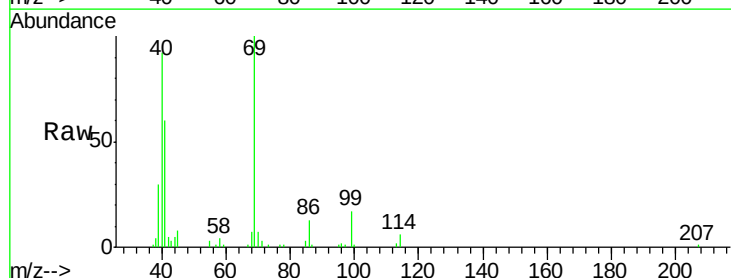
RT: 8.60 min Scan# 809

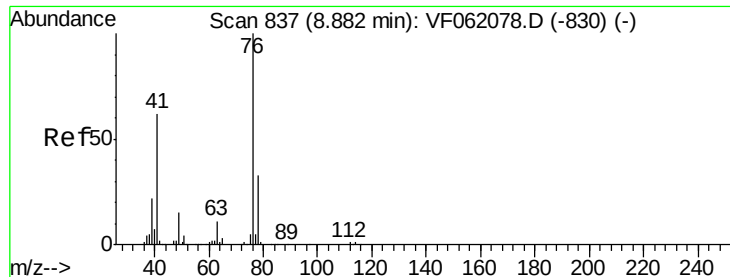
Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	69	Resp:	41055
Ion	Ratio	Lower	Upper
69	100		
41	60.1	48.2	72.2
39	30.1	24.0	36.0





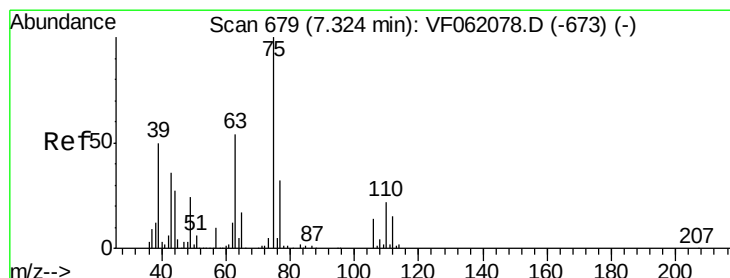
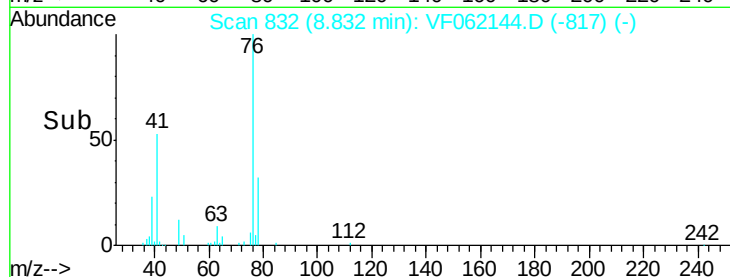
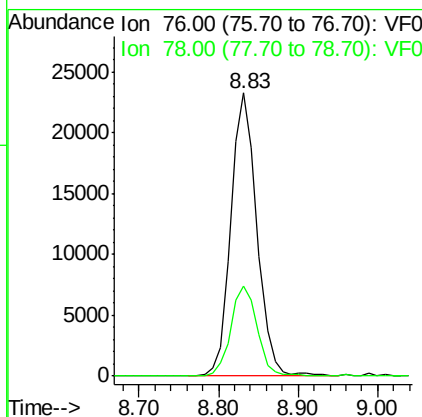
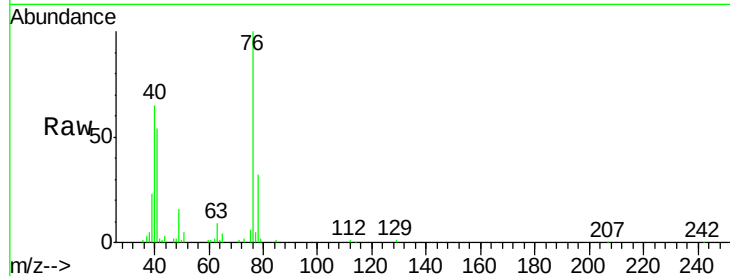
#57
 1,3-Dichloropropane
 Concen: 21.741 ug/l
 RT: 8.83 min Scan# 832
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampled :
 VF0326SBS01

Tot Ion: 76 Resp: 53227
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.6 39.8

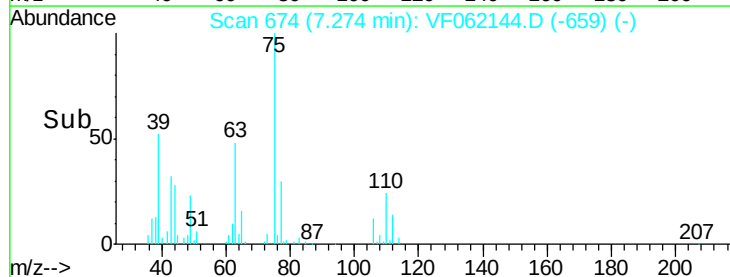
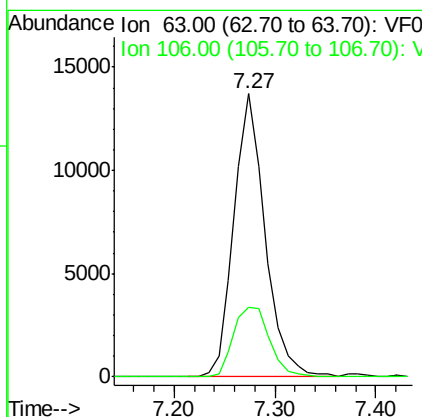
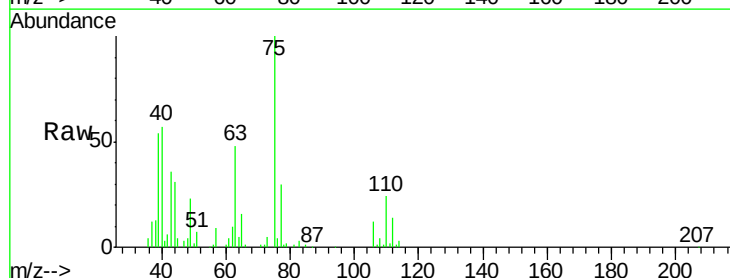
Manual Integrations
 APPROVED

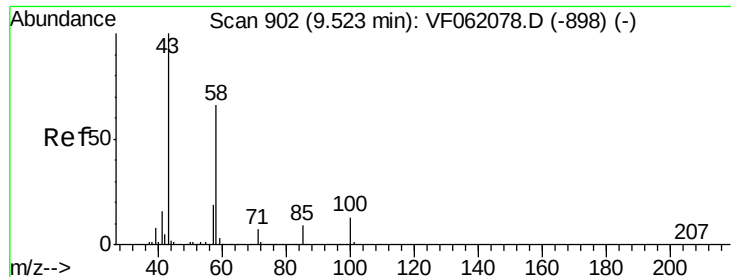
MMDadoda
 3/27/2019 12:01:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.510 ug/l
 RT: 7.27 min Scan# 674
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 63 Resp: 29501
 Ion Ratio Lower Upper
 63 100
 106 24.8 21.5 32.3





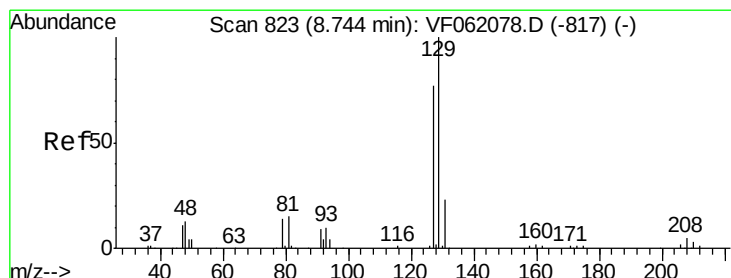
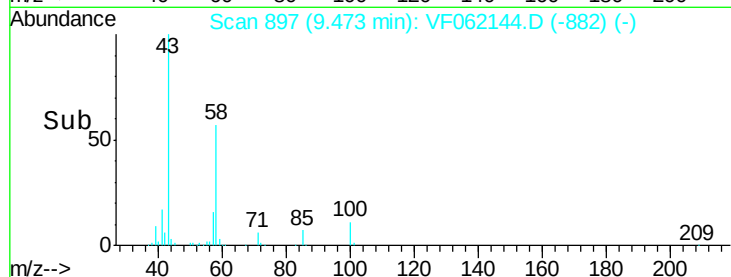
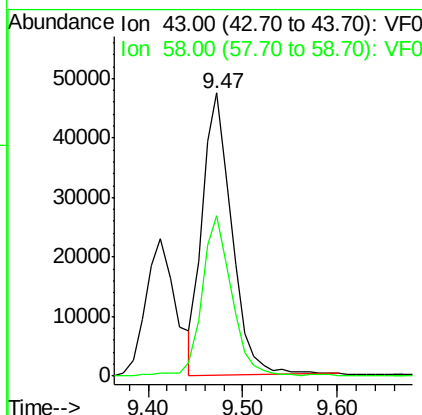
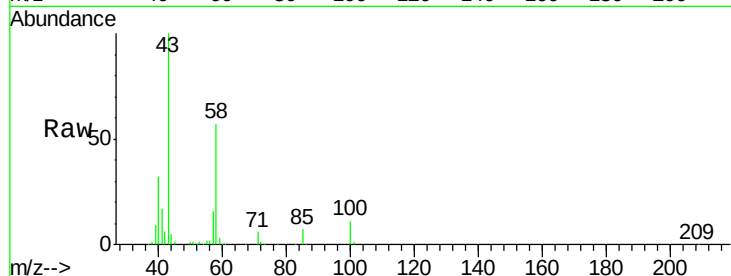
#59
2-Hexanone
Concen: 117.211 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion: 43 Resp: 101780
Ion Ratio Lower Upper
43 100
58 56.6 28.8 86.4

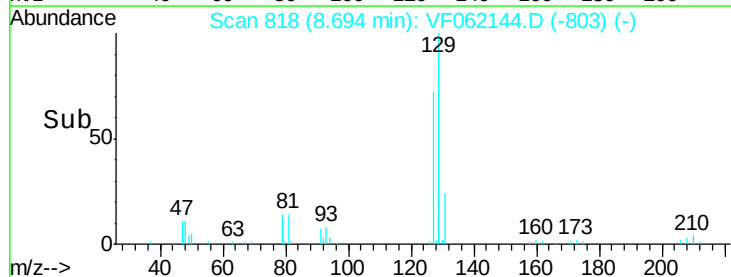
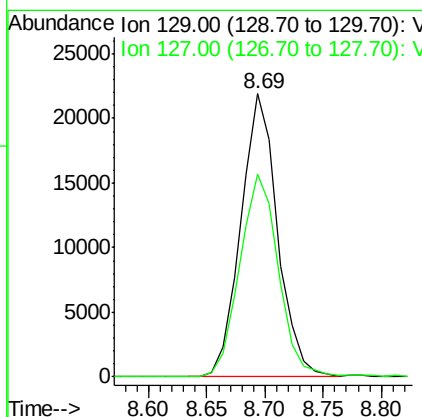
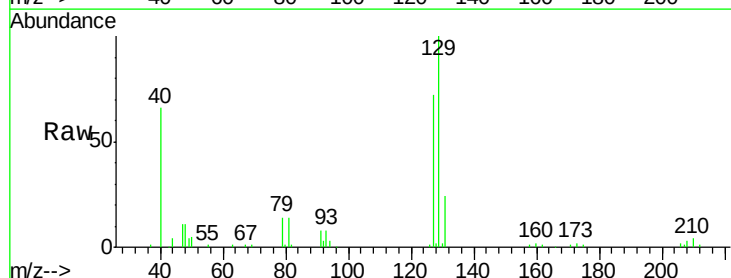
Manual Integrations
APPROVED

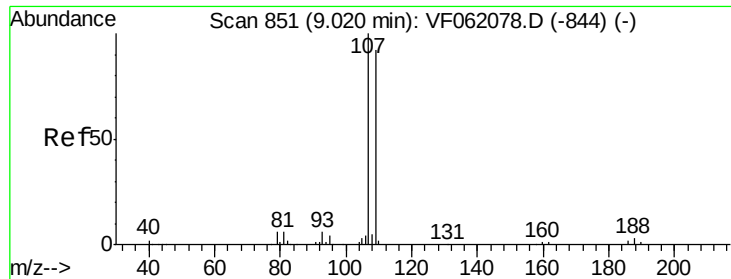
MMDadoda
3/27/2019 12:01:39 PM



#60
Dibromochloromethane
Concen: 23.280 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 129 Resp: 47740
Ion Ratio Lower Upper
129 100
127 71.5 38.7 116.1





#61

1,2-Dibromoethane

Concen: 23.357 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion:107 Resp: 36759

Ion Ratio Lower Upper

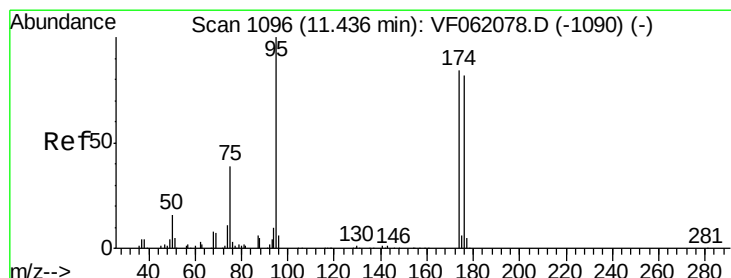
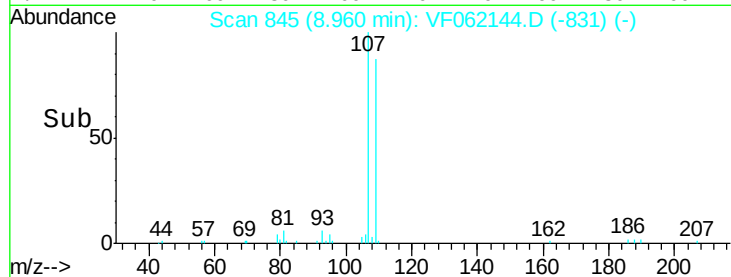
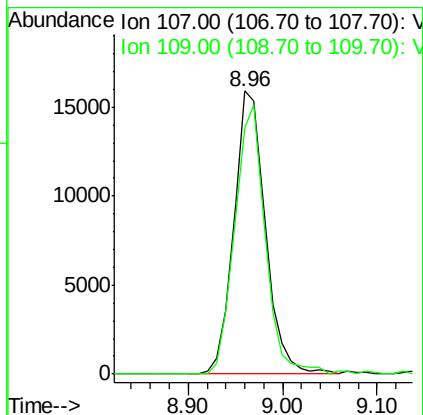
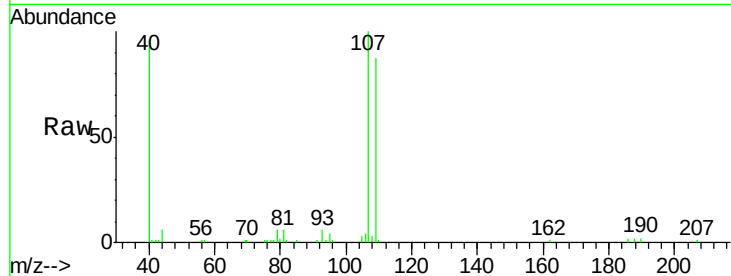
107 100

109 86.8 73.4 110.0

Manual Integrations
APPROVED

MMDadoda

3/27/2019 12:01:39 PM



#62

4-Bromofluorobenzene

Concen: 57.643 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

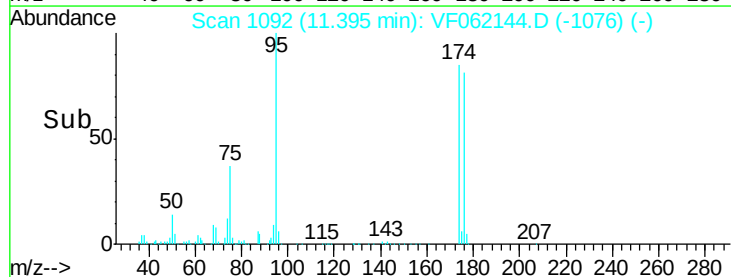
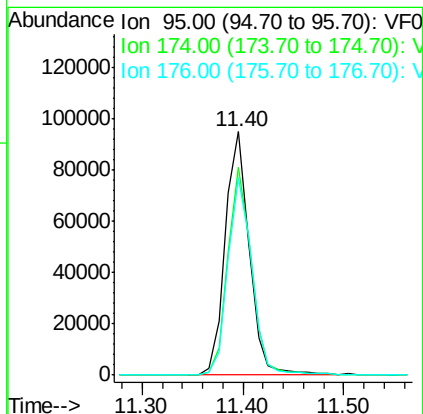
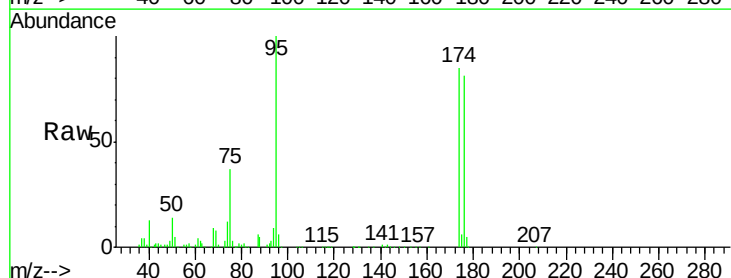
Tgt Ion: 95 Resp: 157784

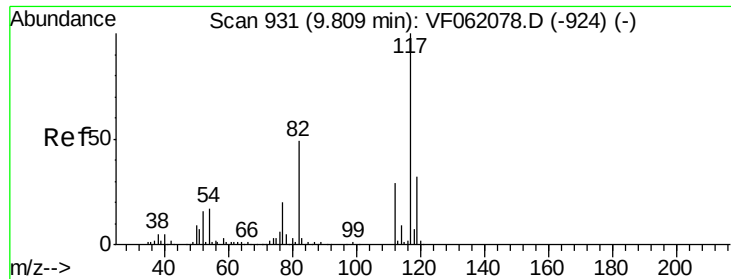
Ion Ratio Lower Upper

95 100

174 85.1 0.0 168.2

176 81.1 0.0 164.2





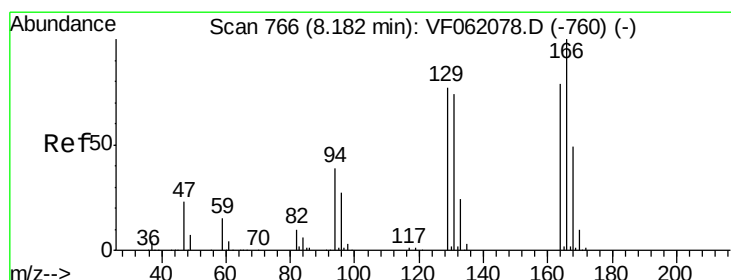
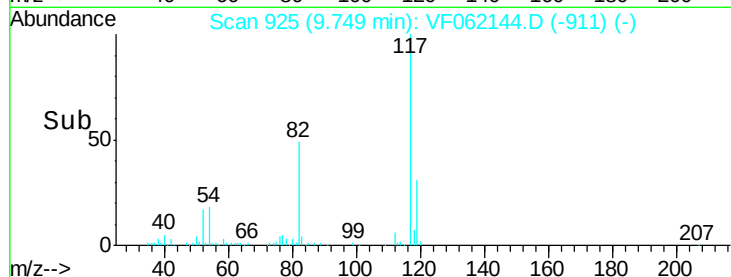
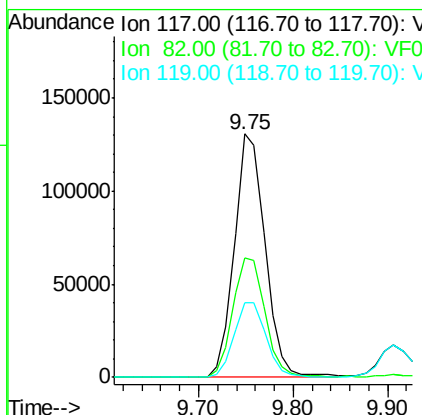
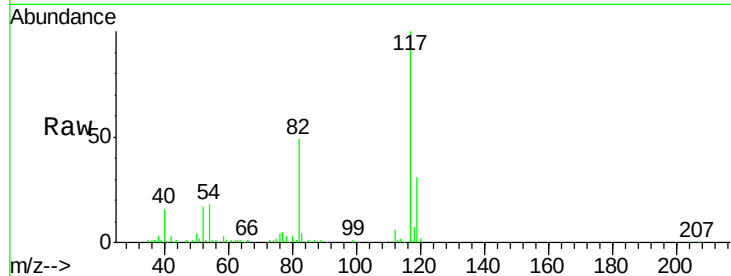
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294455		
82	49.2		39.2	58.8
119	30.7		25.4	38.2

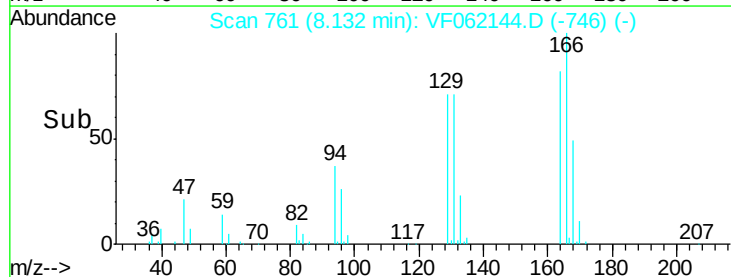
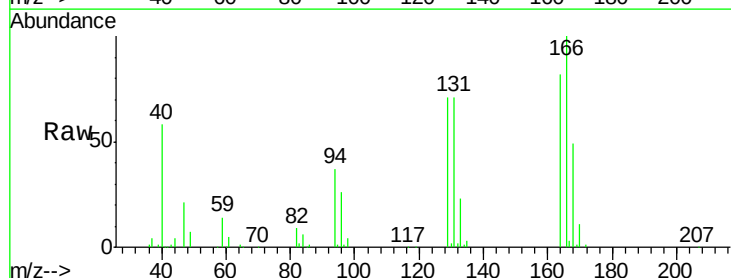
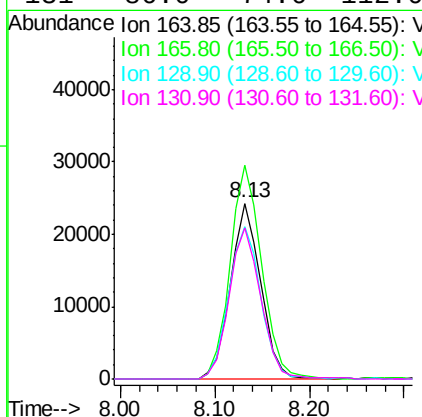
Manual Integrations
APPROVED

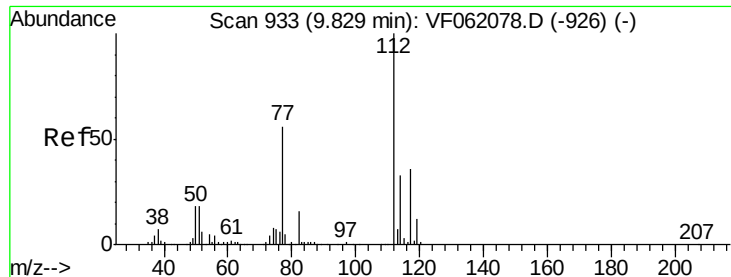
MMDadoda
3/27/2019 12:01:39 PM



#64
Tetrachloroethene
Concen: 23.552 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53578		
166	121.7		100.9	151.3
129	86.5		77.9	116.9
131	86.0		74.6	112.0





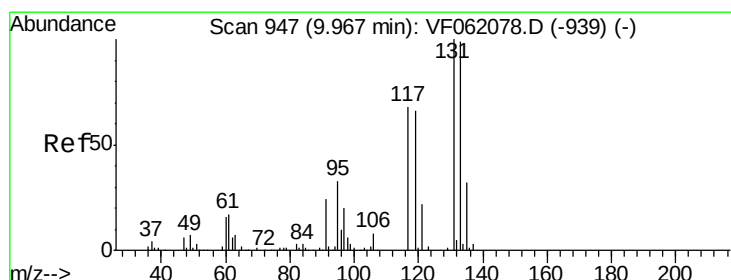
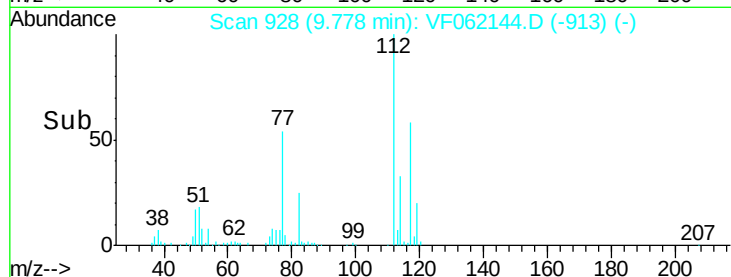
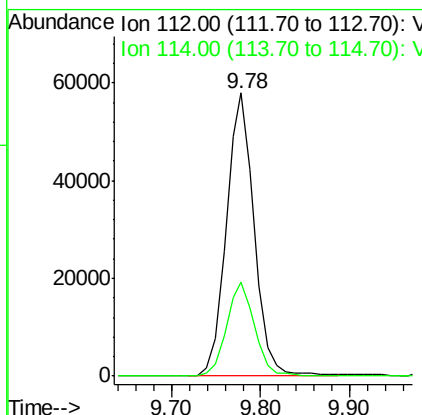
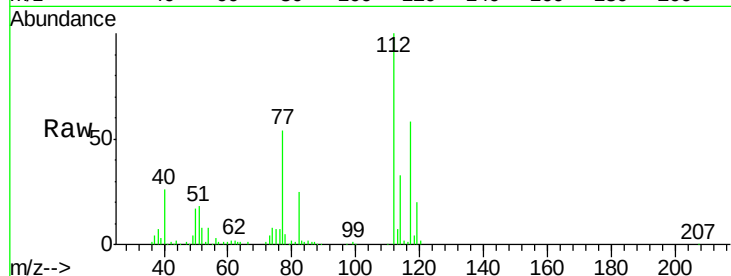
#65
Chlorobenzene
Concen: 23.049 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	126987		
114	33.3	26.0	39.0	

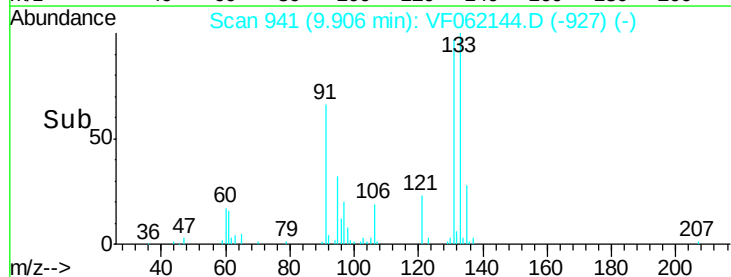
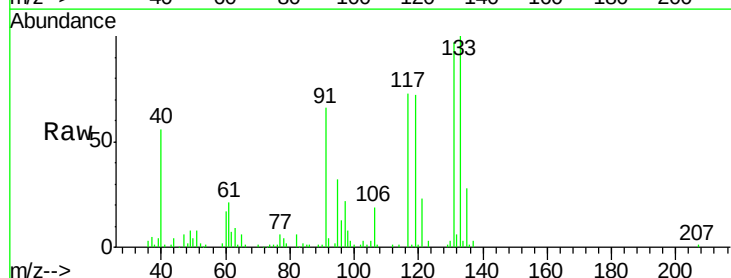
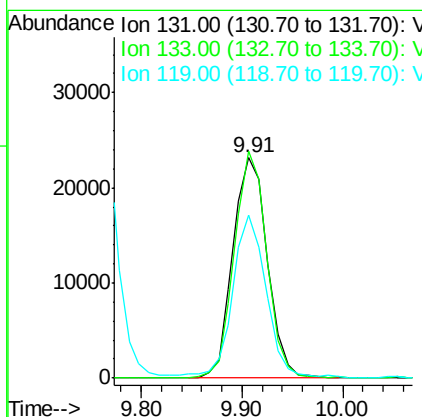
Manual Integrations
APPROVED

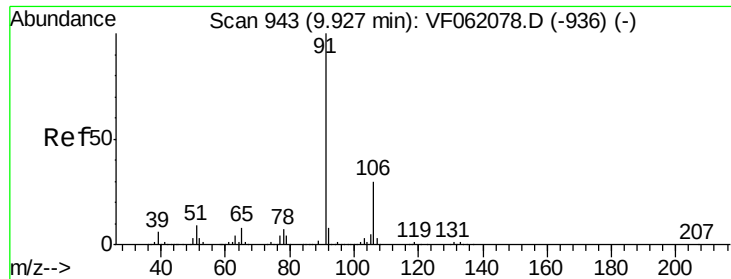
MMDadoda
3/27/2019 12:01:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 24.891 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	55086		
133	102.8	49.3	147.8	
119	73.9	33.5	100.4	





#67

Ethyl Benzene

Concen: 24.697 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 91 Resp: 236632

Ion Ratio Lower Upper

91 100

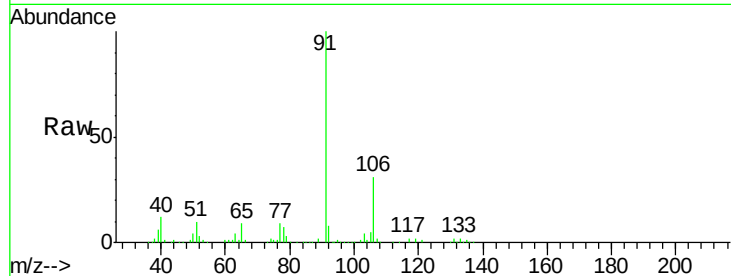
106 30.6 24.0 36.0

Manual Integrations

APPROVED

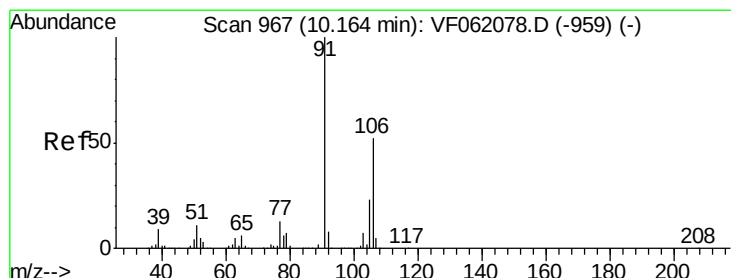
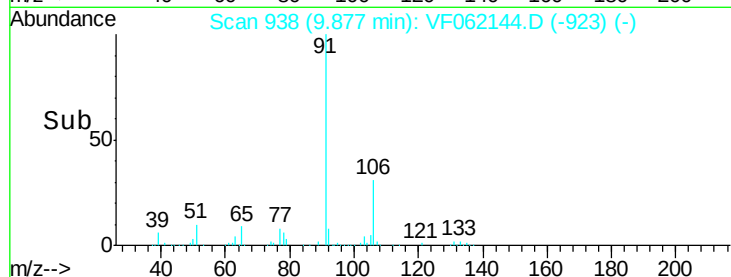
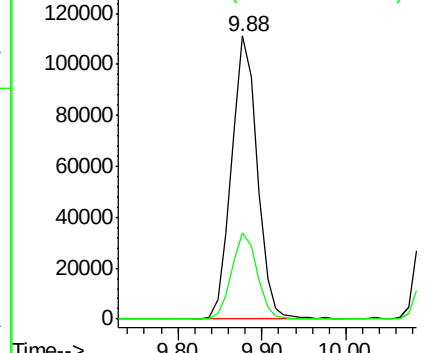
MMDadoda

3/27/2019 12:01:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 48.701 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.05 min

Lab File: VF062144.D

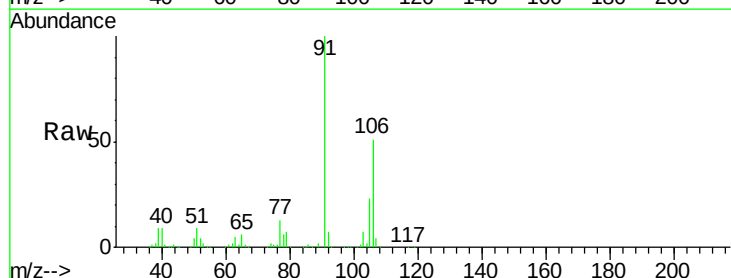
Acq: 26 Mar 2019 14:22

Tgt Ion: 106 Resp: 174405

Ion Ratio Lower Upper

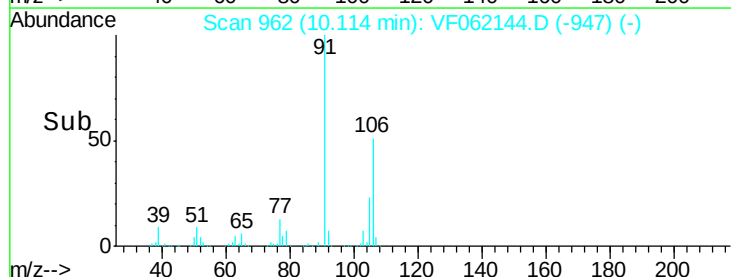
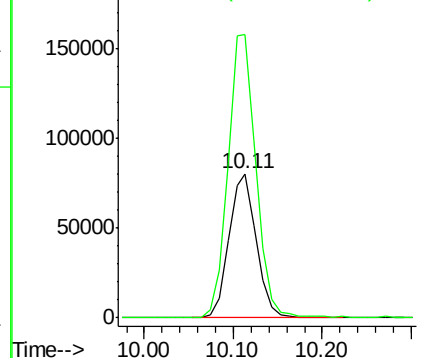
106 100

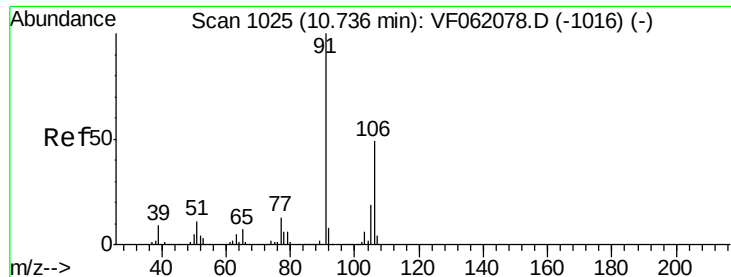
91 196.0 154.4 231.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





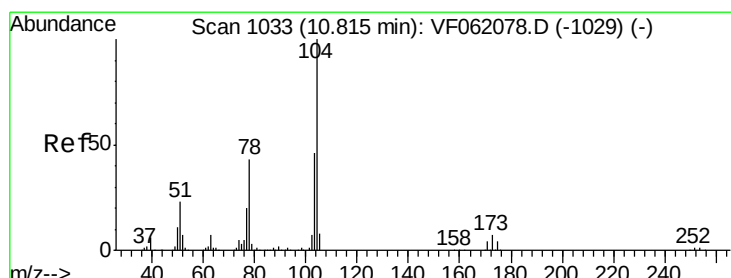
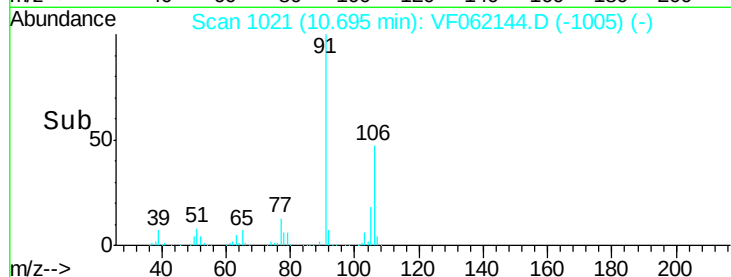
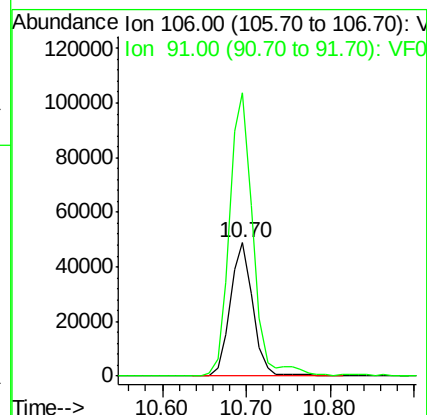
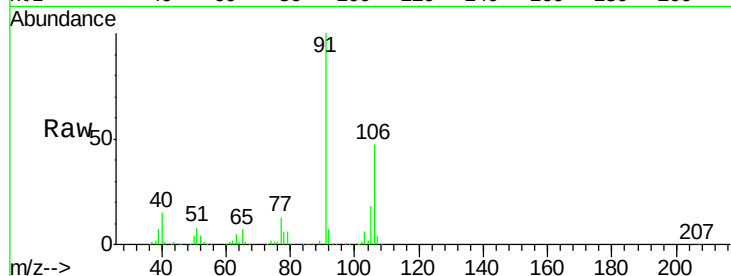
#69
o-Xylene
Concen: 24.445 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.04 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion:106 Resp: 91685
Ion Ratio Lower Upper
106 100
91 212.4 102.6 307.8

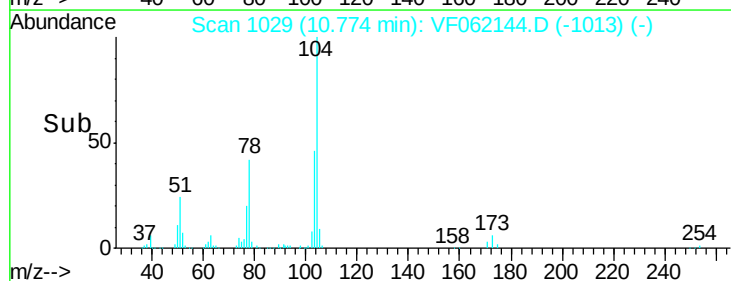
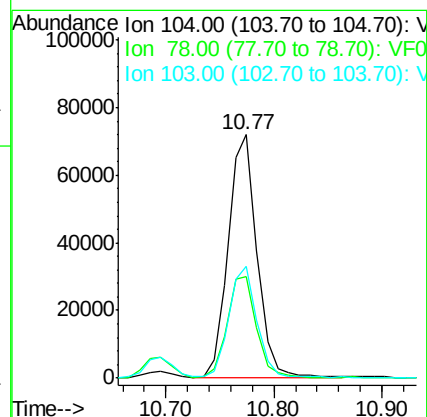
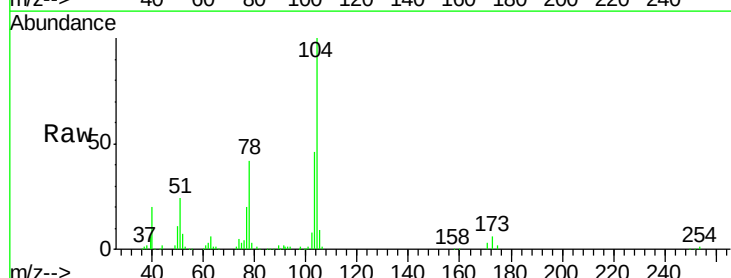
Manual Integrations
APPROVED

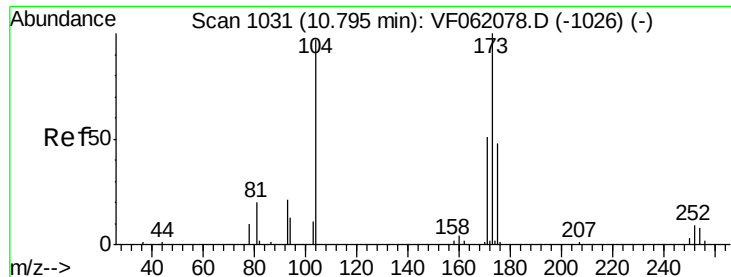
MMDadoda
3/27/2019 12:01:39 PM



#70
Styrene
Concen: 23.338 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion:104 Resp: 132629
Ion Ratio Lower Upper
104 100
78 41.9 34.3 51.5
103 46.1 36.9 55.3





#71

Bromoform

Concen: 22.724 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion:173 Resp: 25723

Ion Ratio Lower Upper

173 100

175 50.7 24.1 72.4

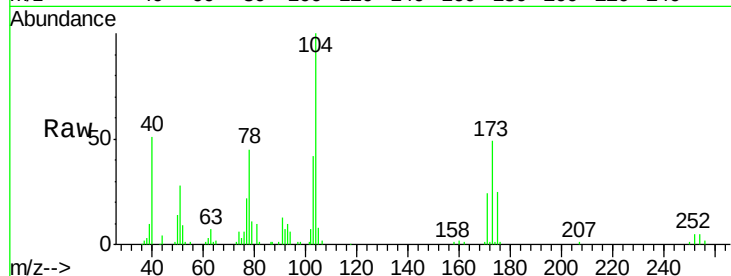
254 9.1 6.2 9.4

Manual Integrations

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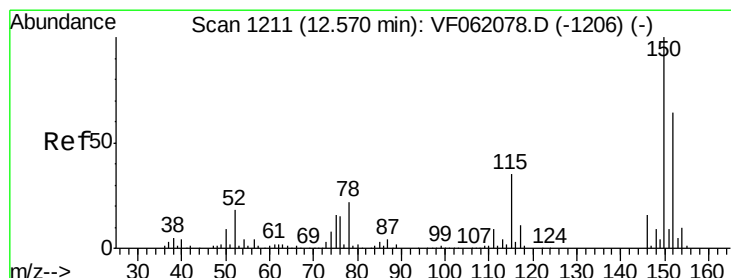
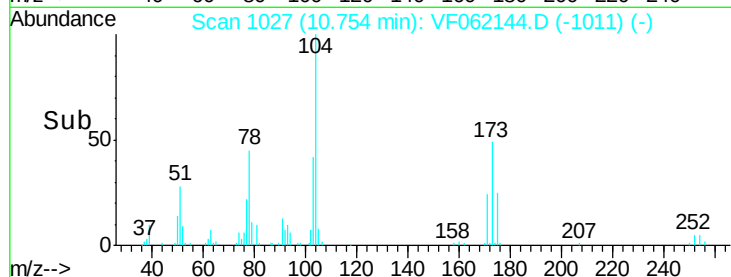
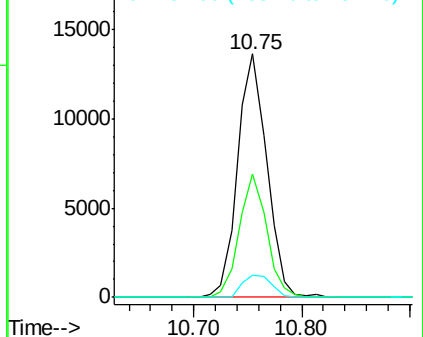
3/27/2019 12:01:39 PM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

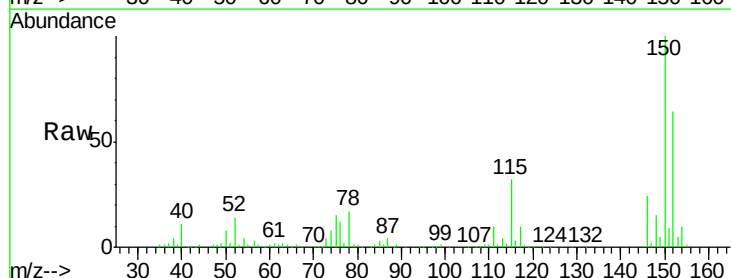
Tgt Ion:152 Resp: 162540

Ion Ratio Lower Upper

152 100

115 50.0 27.7 83.1

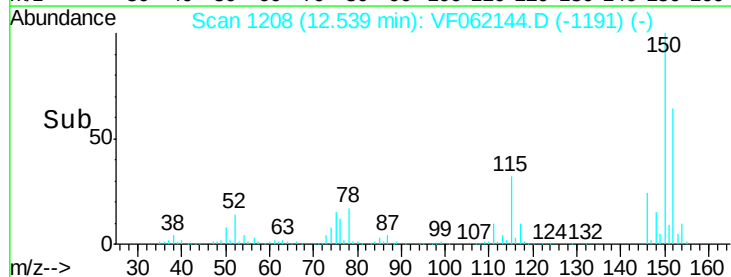
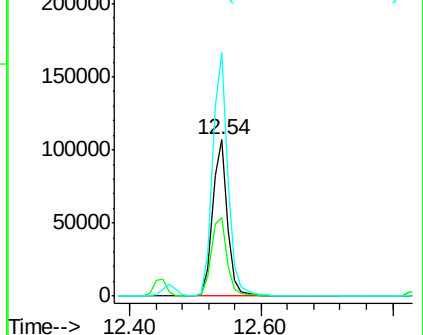
150 155.9 0.0 313.2

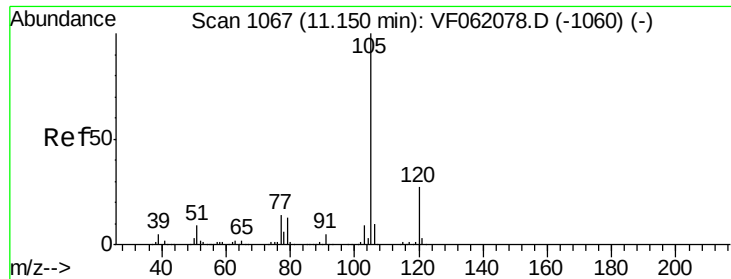


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.283 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion:105 Resp: 266301

Ion Ratio Lower Upper

105 100

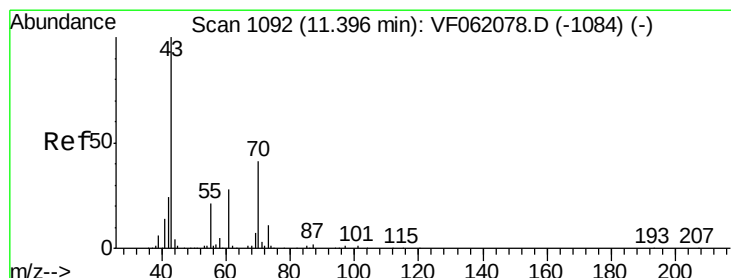
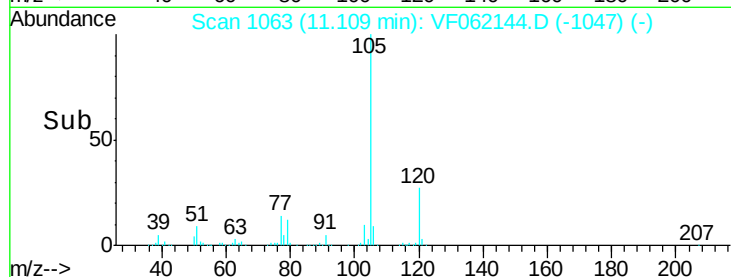
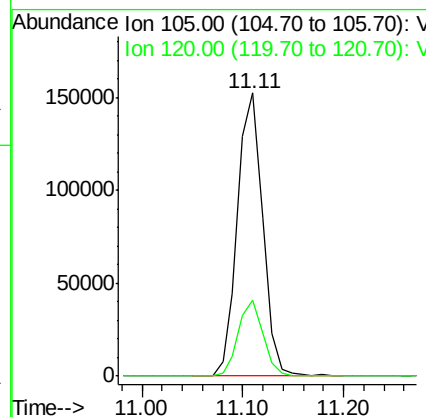
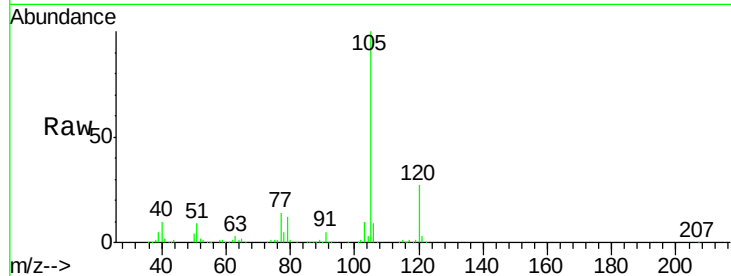
120 27.0 13.8 41.3

Manual Integrations

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3/27/2019 12:01:39 PM



#74

N-ethyl acetate

Concen: 21.876 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion: 43 Resp: 59618

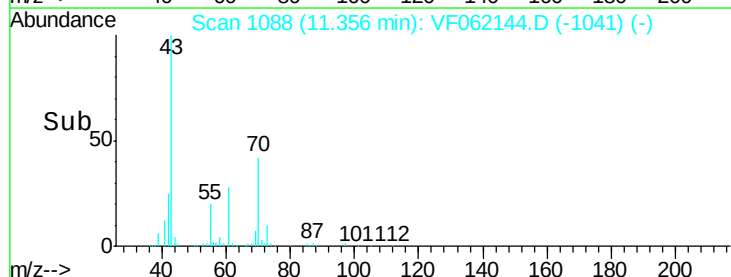
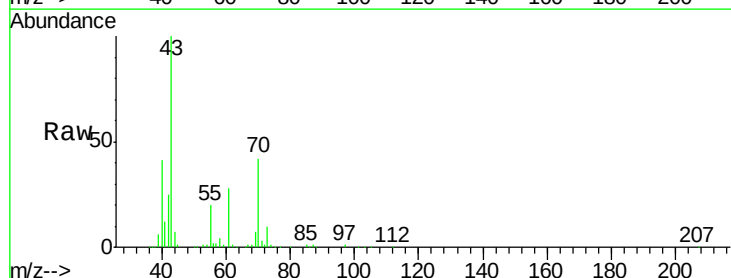
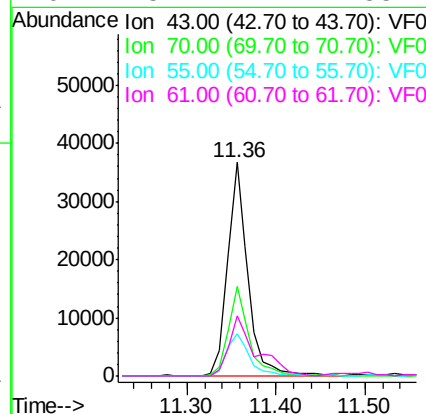
Ion Ratio Lower Upper

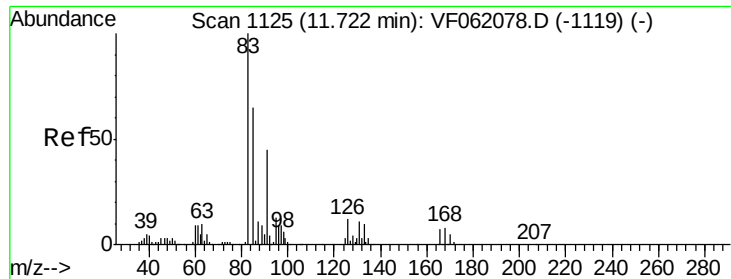
43 100

70 41.9 32.9 49.3

55 19.9 17.1 25.7

61 28.2 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.262 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

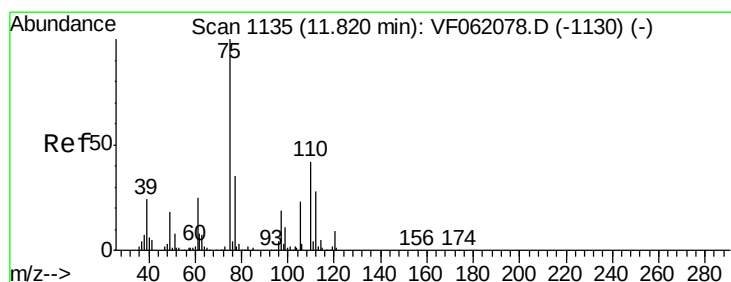
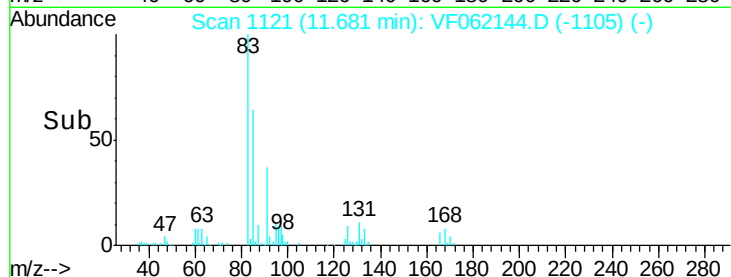
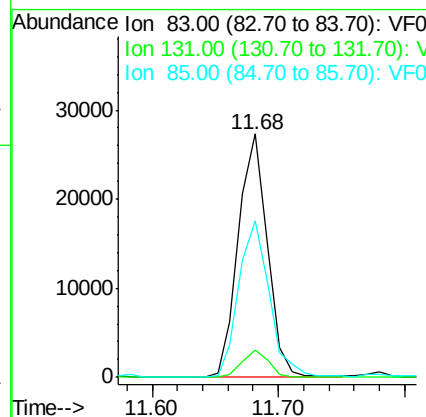
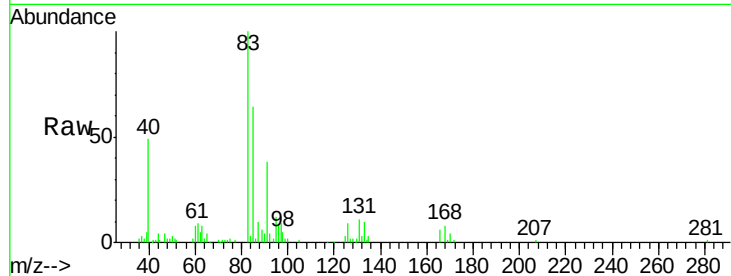
ClientSampleId :

VF0326SBS01

Tot Ion:	83	Resp:	43718
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.3	15.8
85	64.2	32.6	98.0

Manual Integrations
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3/27/2019 12:01:39 PM



#76

1,2,3-Trichloropropane

Concen: 21.483 ug/l m

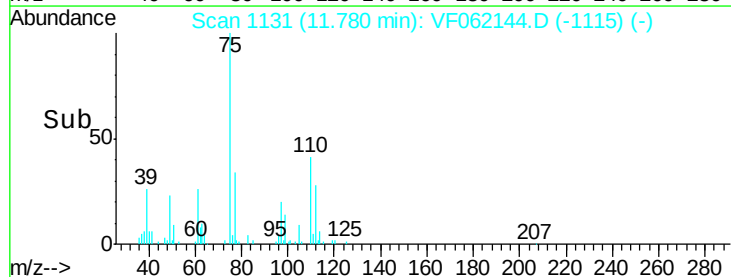
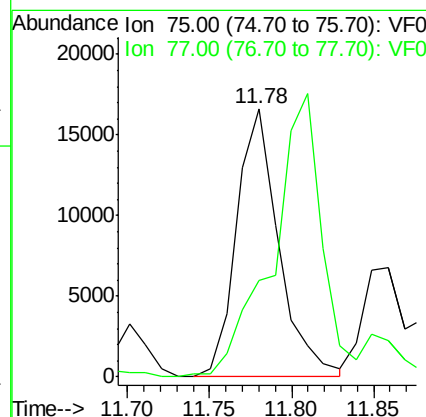
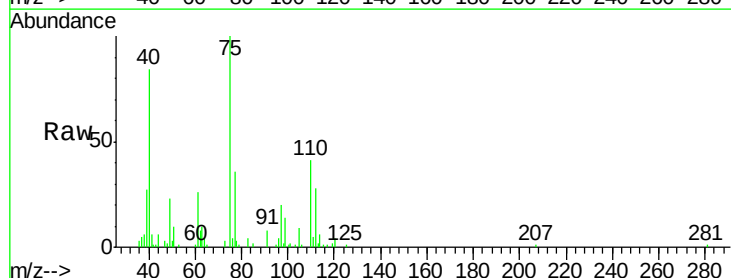
RT: 11.78 min Scan# 1131

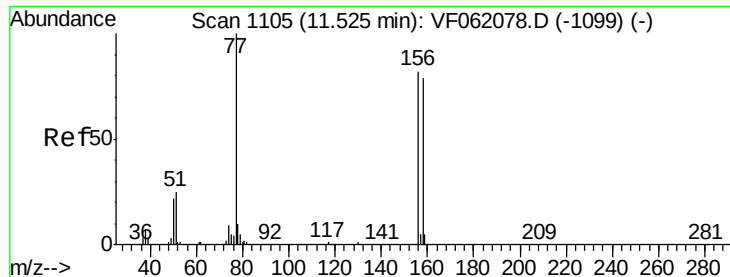
Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	75	Resp:	29690
Ion Ratio	Lower	Upper	
75	100		
77	36.0	17.8	53.3





#77

Bromobenzene

Concen: 21.870 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

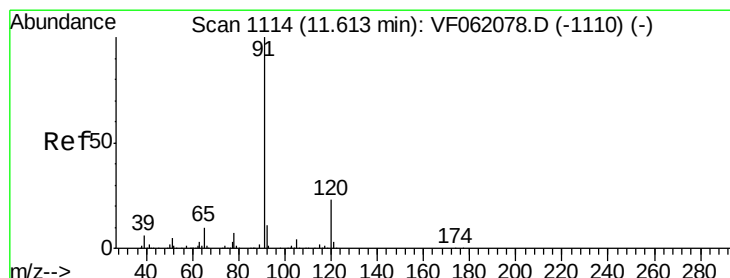
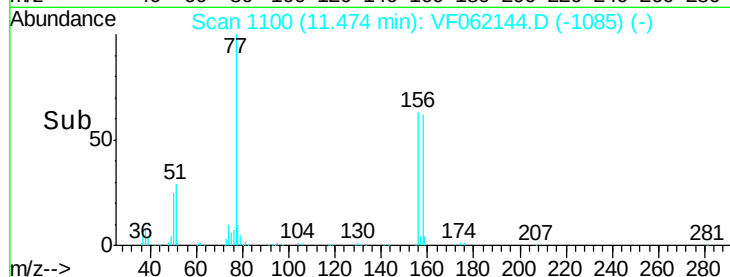
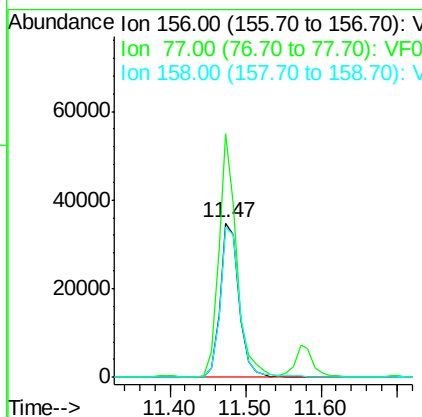
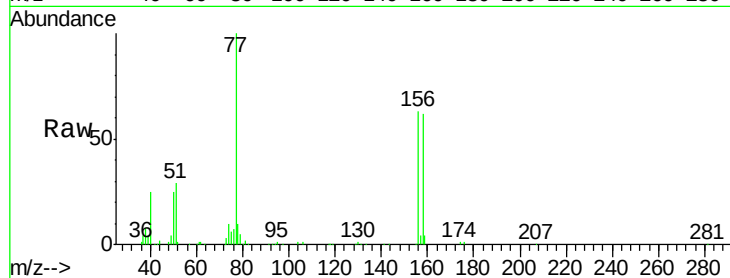
ClientSampleId :

VF0326SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		61113		
77	158.0	61.3	183.9		
158	97.3	48.6	145.9		

Manual Integrations
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#78

n-propylbenzene

Concen: 23.134 ug/l

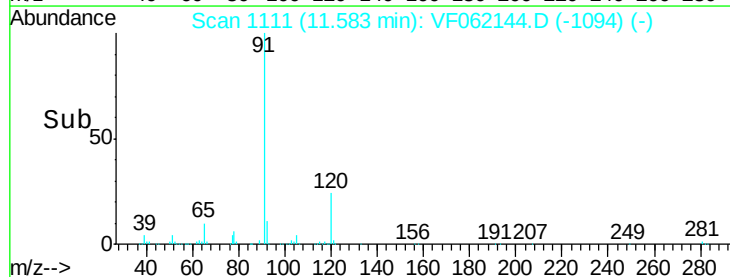
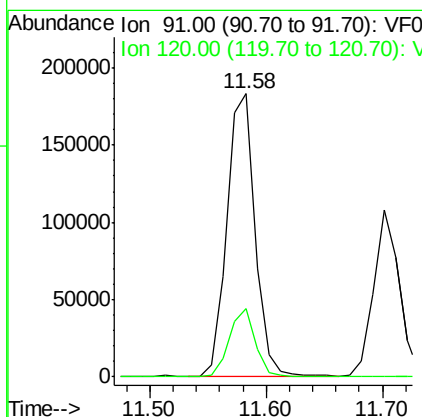
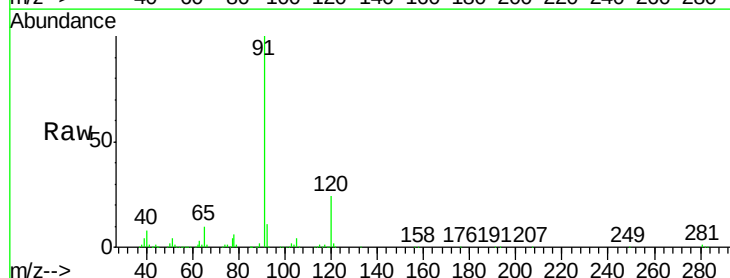
RT: 11.58 min Scan# 1111

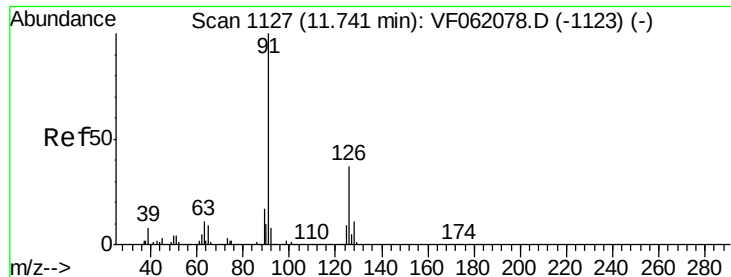
Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		307240		
120	24.0	11.3	33.8		





#79

2-Chlorotoluene

Concen: 22.059 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

VF0326SBS01

Tot Ion: 91 Resp: 162834

Ion Ratio Lower Upper

91 100

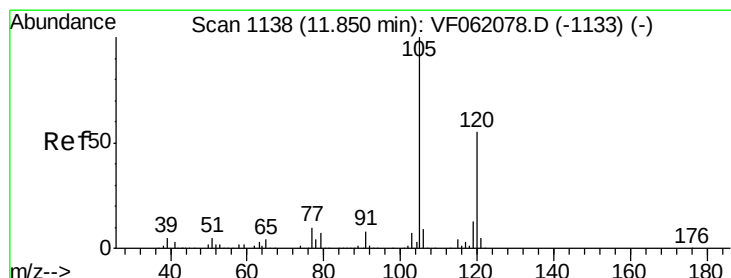
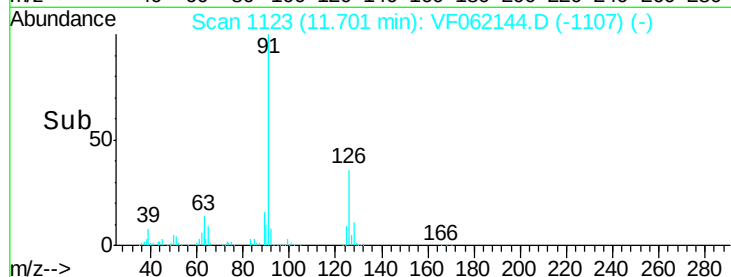
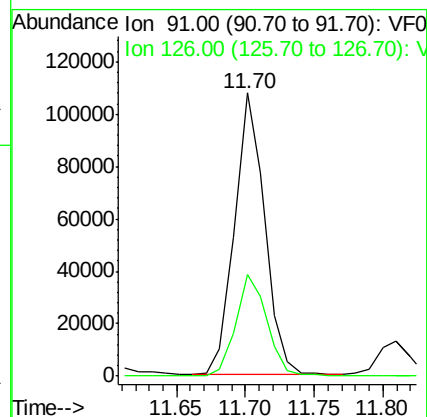
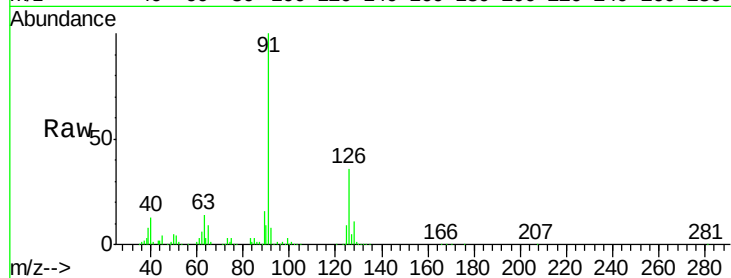
126 36.1 18.3 54.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.714 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF062144.D

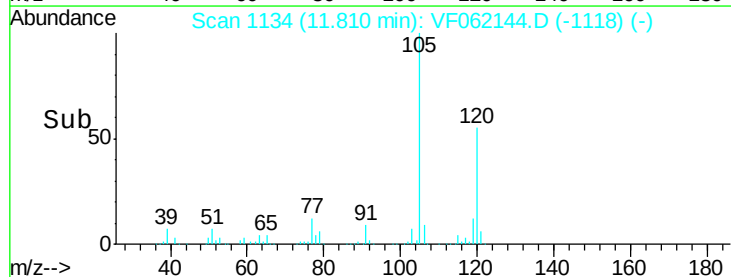
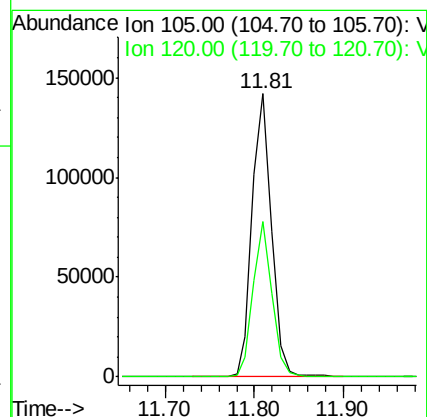
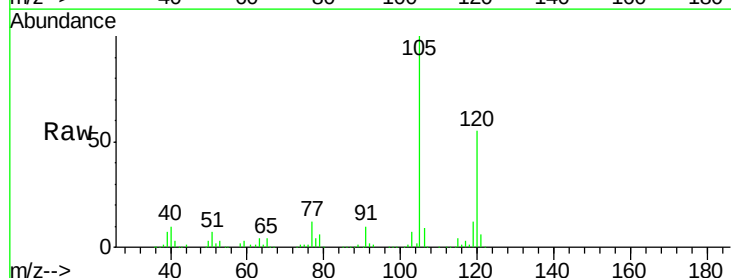
Acq: 26 Mar 2019 14:22

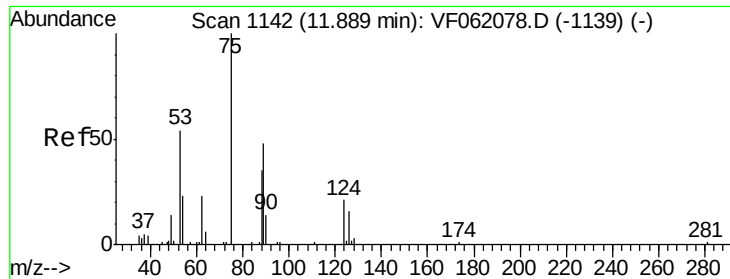
Tgt Ion: 105 Resp: 213687

Ion Ratio Lower Upper

105 100

120 54.8 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.416 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

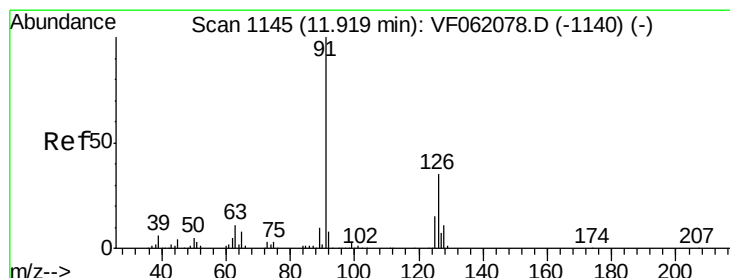
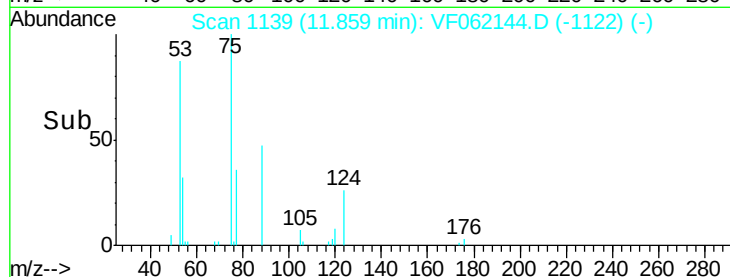
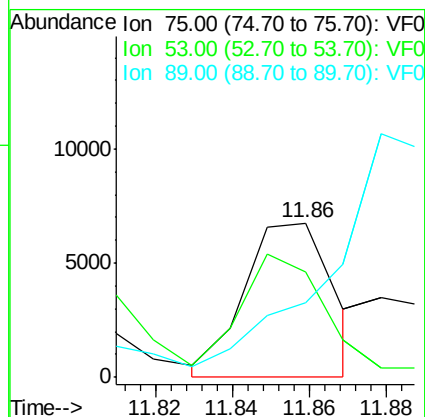
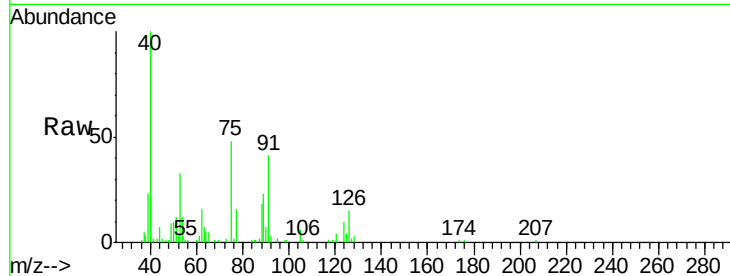
ClientSampleId :

VF0326SBS01

Tot Ion:	75	Resp:	10934
Ion	Ratio	Lower	Upper
75	100		
53	68.2	49.4	74.0
89	48.7	40.6	60.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.905 ug/l

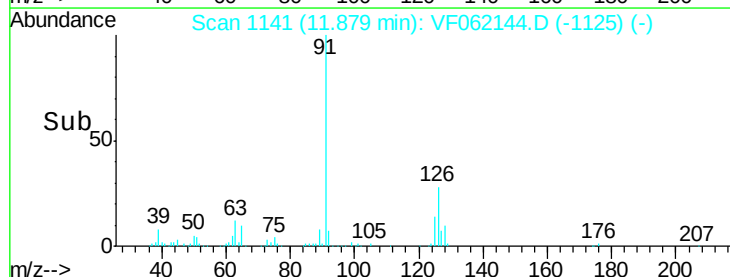
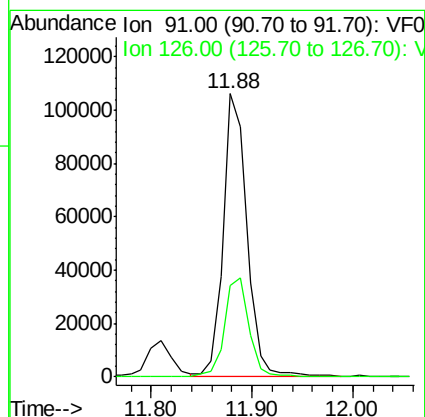
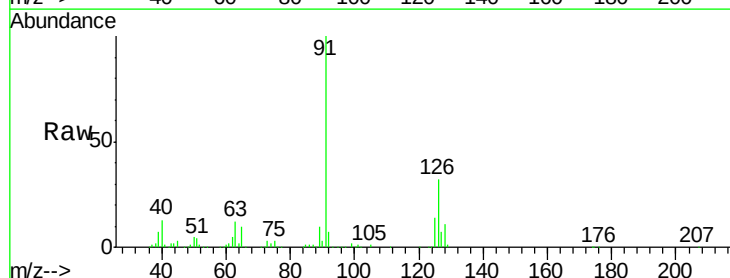
RT: 11.88 min Scan# 1141

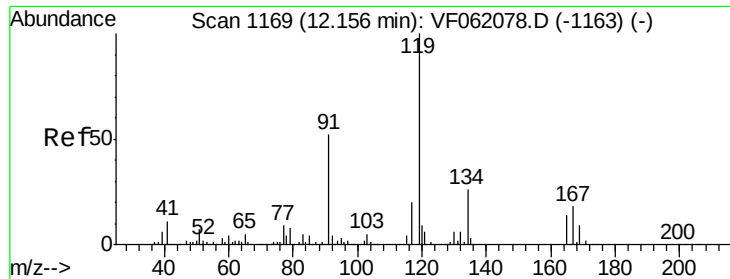
Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	91	Resp:	173365
Ion	Ratio	Lower	Upper
91	100		
126	32.1	17.2	51.6





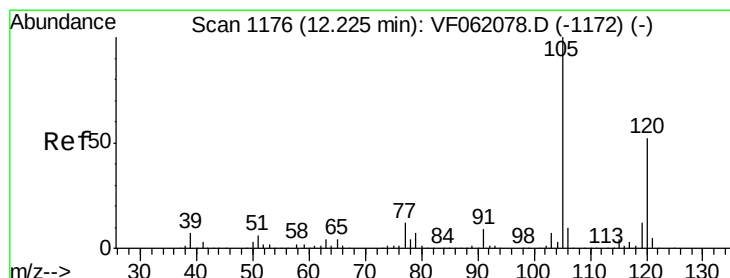
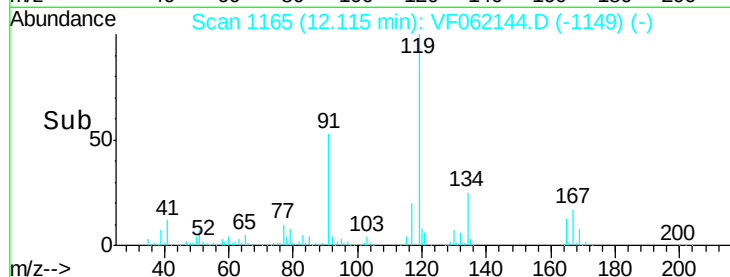
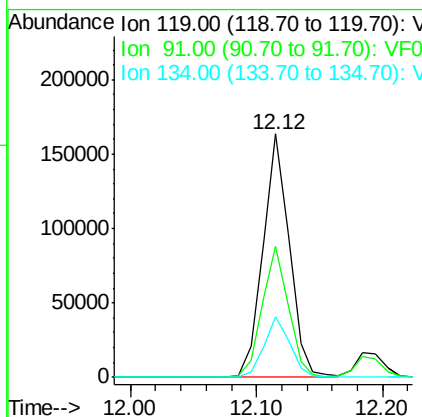
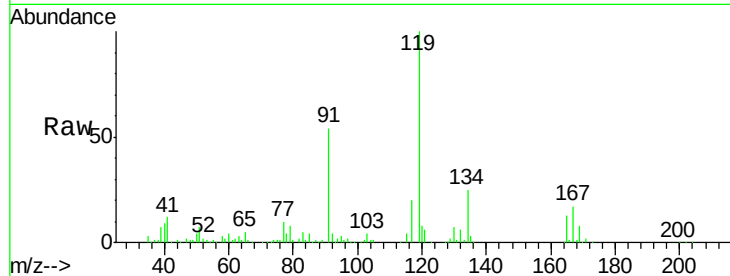
#83
 tert-Butylbenzene
 Concen: 24.288 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239188		
91	53.9	26.1	78.2	
134	24.9	12.8	38.4	

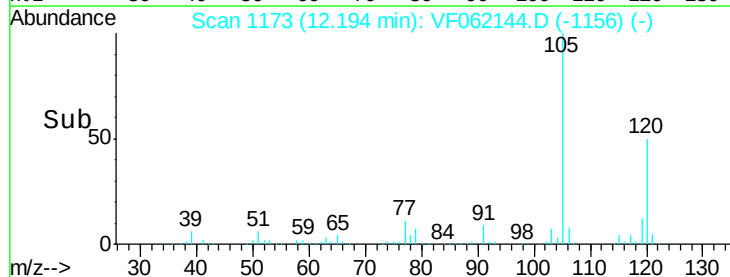
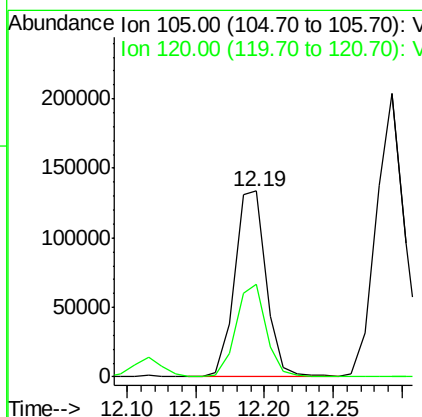
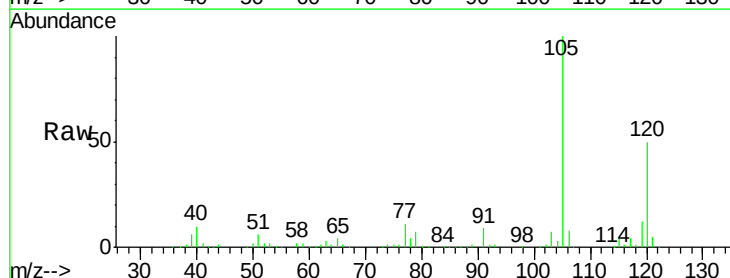
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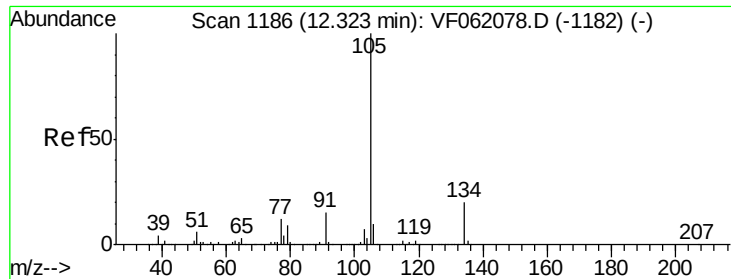
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.100 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	213042		
120	50.2	26.1	78.2	





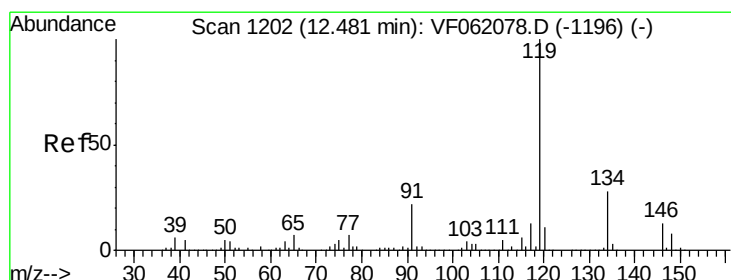
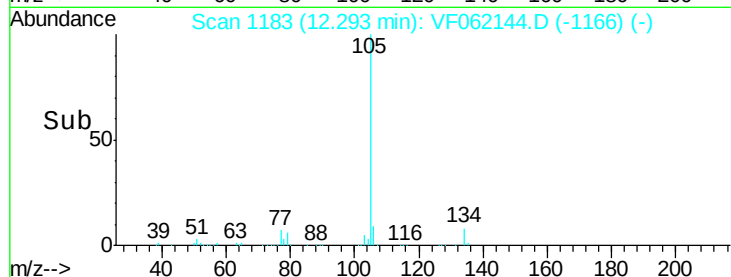
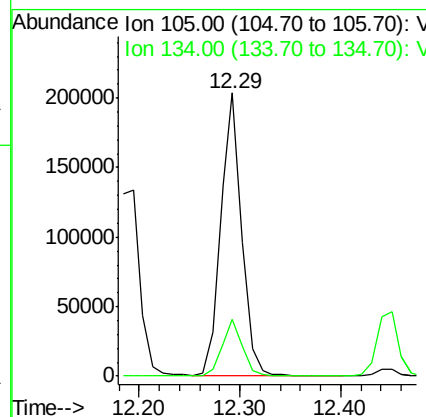
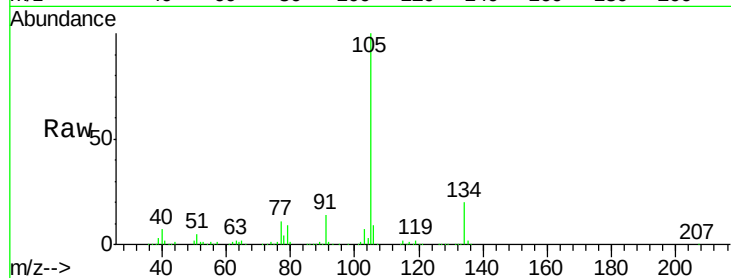
#85
 sec-Butylbenzene
 Concen: 23.085 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4

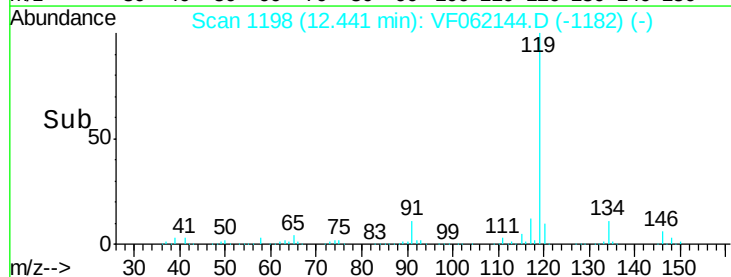
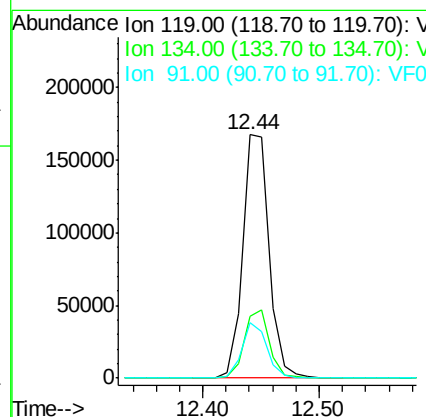
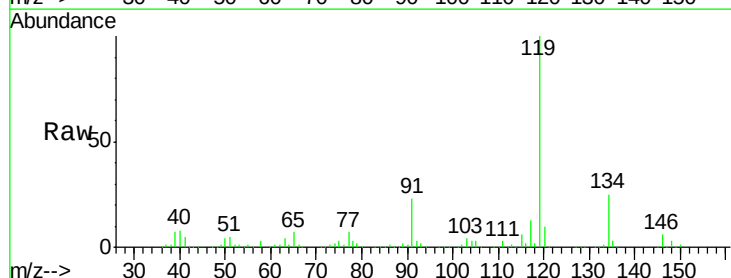
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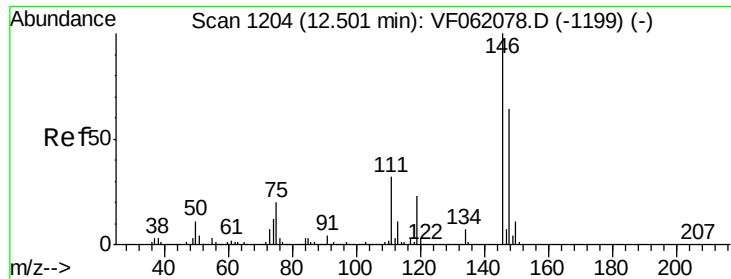
MMDadoda
 3/27/2019 12:01:39 PM



#86
 p-Isopropyltoluene
 Concen: 23.668 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	14.0	42.0
91	22.7	10.8	32.4





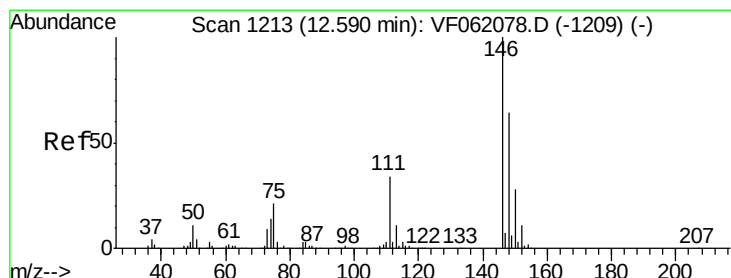
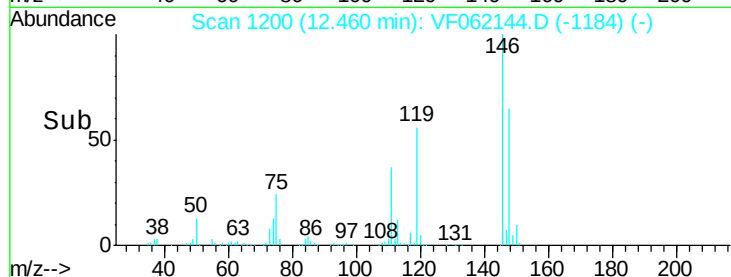
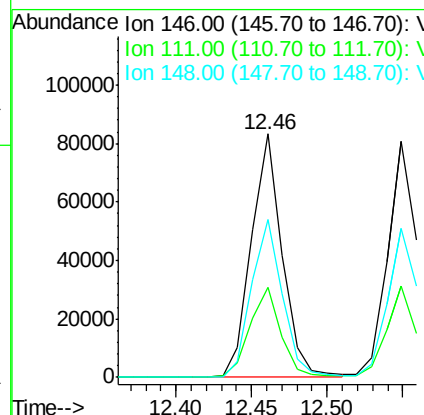
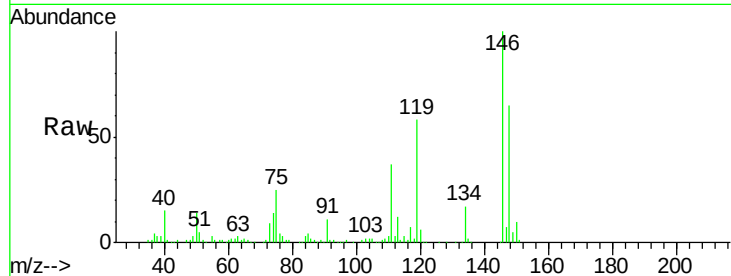
#87
 1,3-Dichlorobenzene
 Concen: 22.946 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119122		
111	36.9	16.1	48.3	
148	64.9	31.9	95.7	

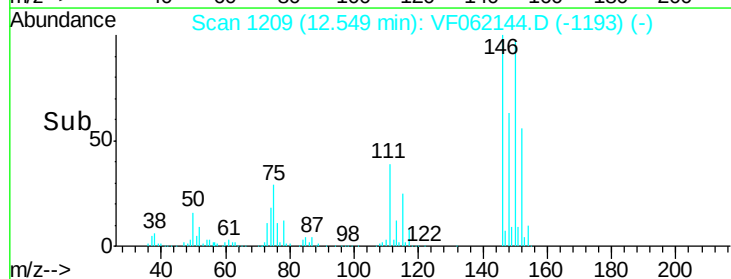
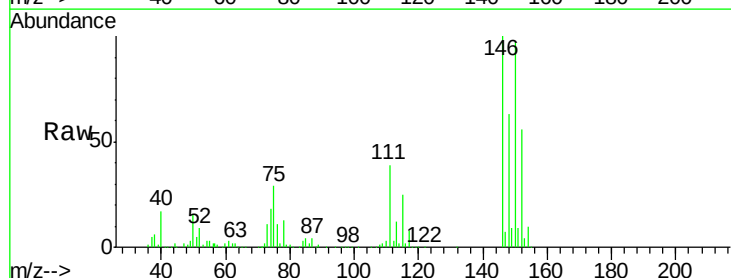
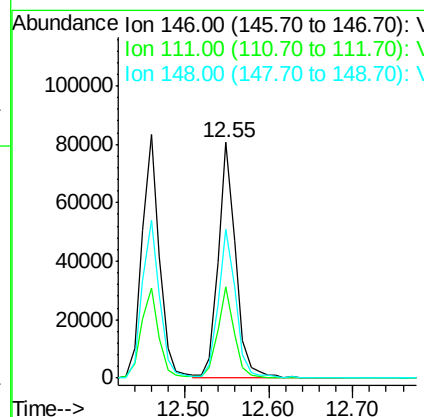
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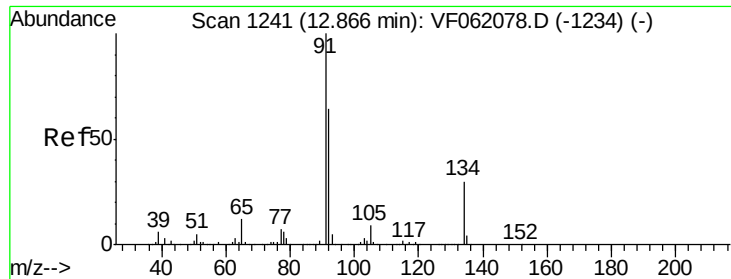
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#88
 1,4-Dichlorobenzene
 Concen: 22.977 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	116398		
111	38.6	16.9	50.6	
148	62.9	31.9	95.7	





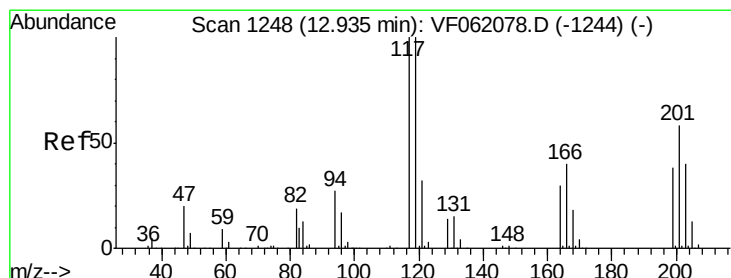
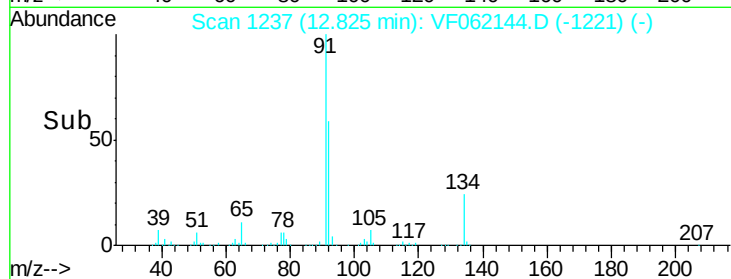
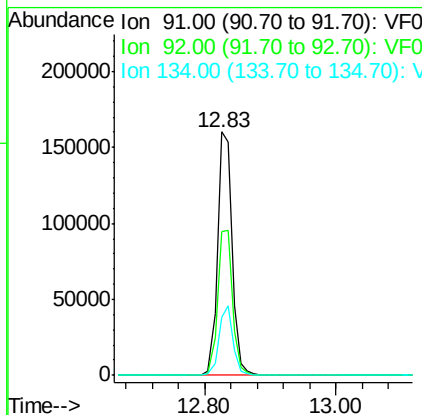
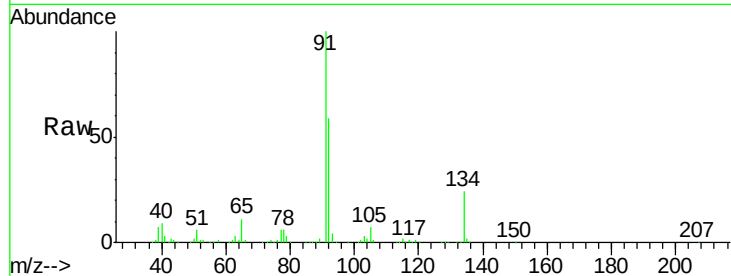
#89
n-Butylbenzene
Concen: 23.547 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.04 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :
VF0326SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	247960		
92	59.1		31.9	95.5
134	23.9		14.9	44.9

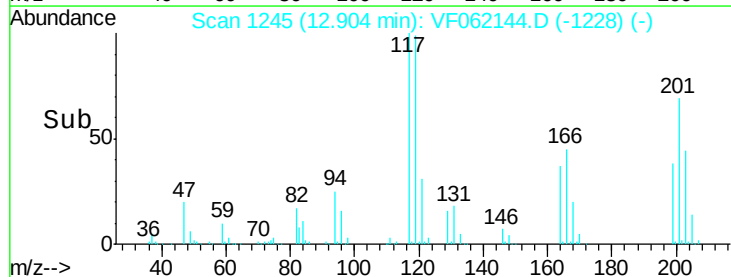
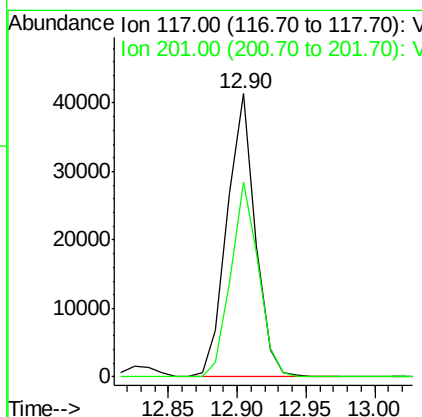
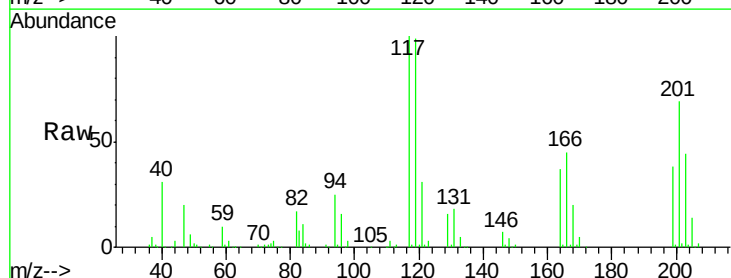
Manual Integrations
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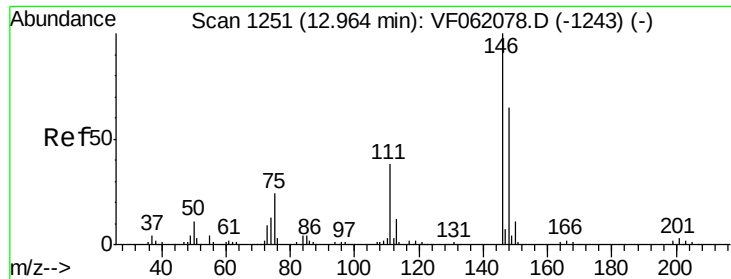
MMDadoda
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#90
Hexachloroethane
Concen: 22.476 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59071		
201	68.9		28.7	86.1





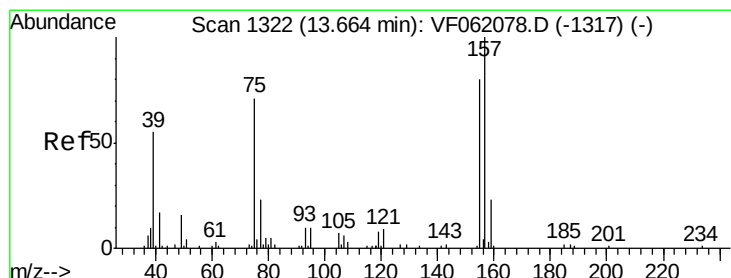
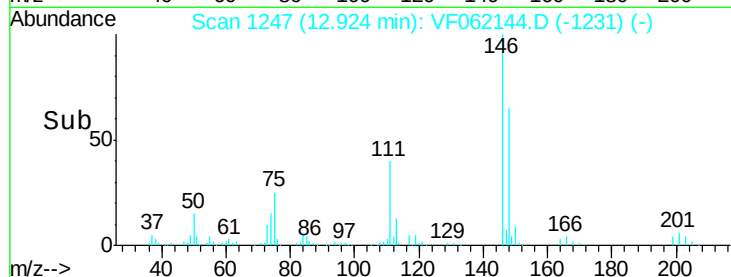
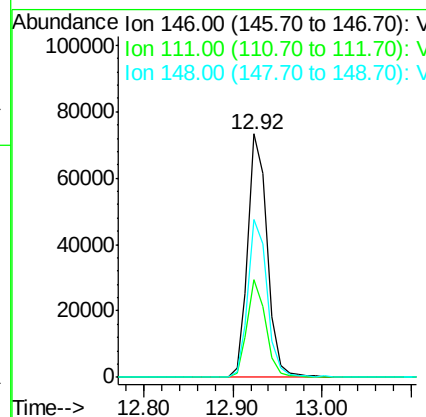
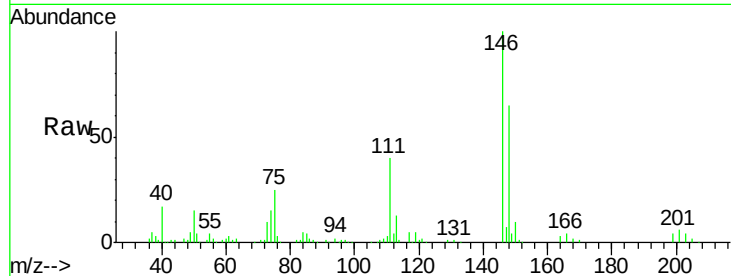
#91
 1,2-Dichlorobenzene
 Concen: 22.897 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.1	57.3
148	64.6	32.8	98.3

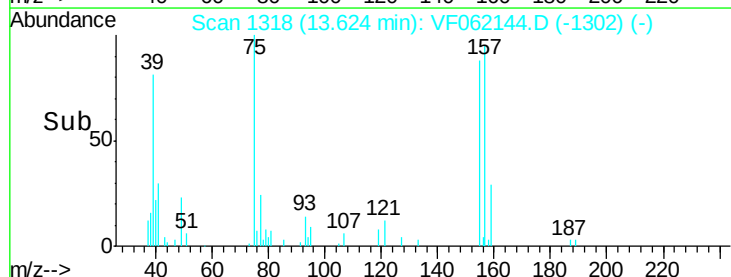
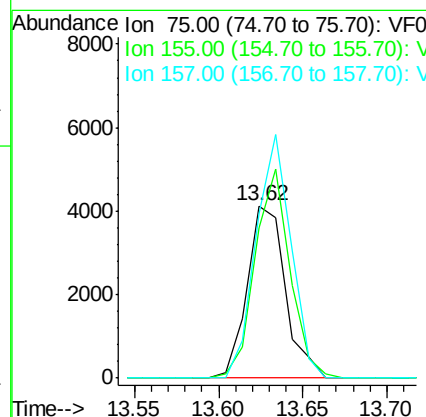
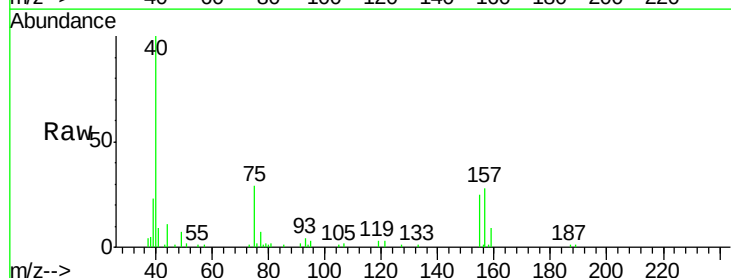
Manual Integrations
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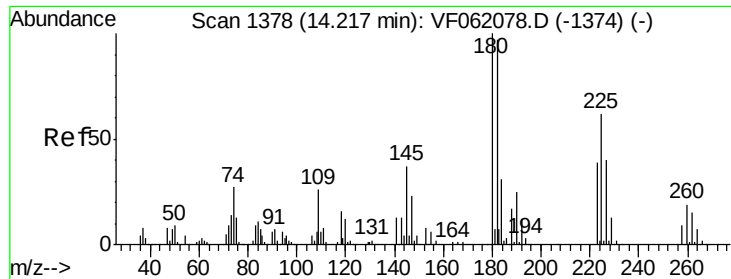
MMDadoda
 3/27/2019 12:01:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.808 ug/l
 RT: 13.62 min Scan# 1318
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	56.1	168.4
157	95.4	70.4	211.2





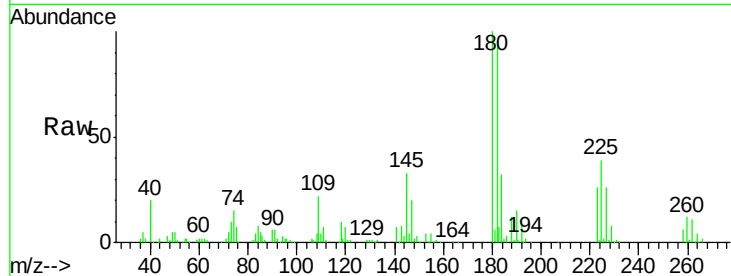
#93
 1,2,4-Trichlorobenzene
 Concen: 23.160 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0326SBS01

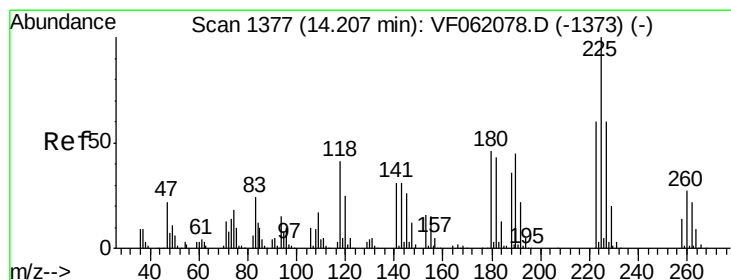
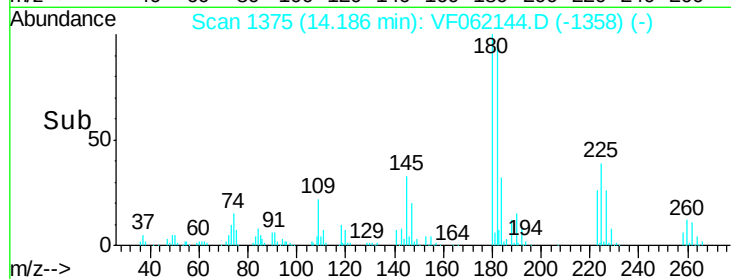
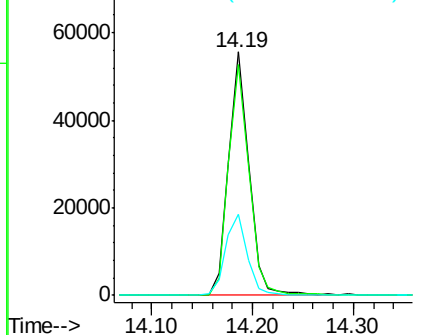
Tot Ion	Ratio	Resp	Lower	Upper
180	100	78687		
182	94.9	48.7	146.1	
145	33.4	18.3	54.8	

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:01:39 PM

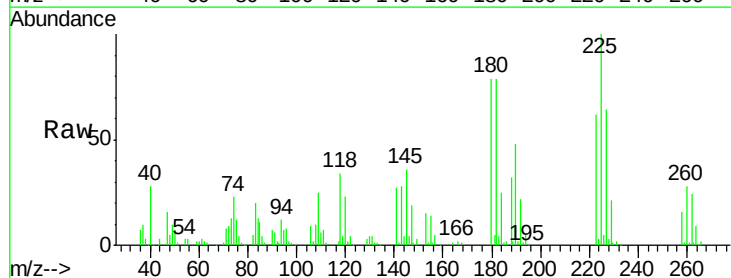


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

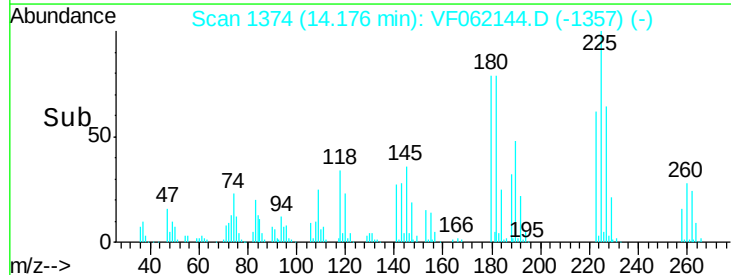
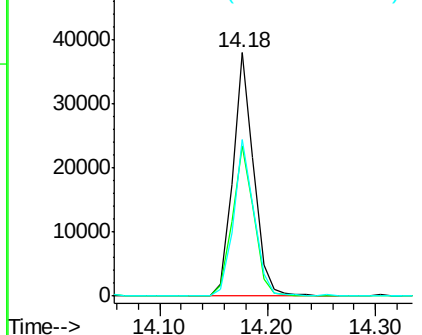


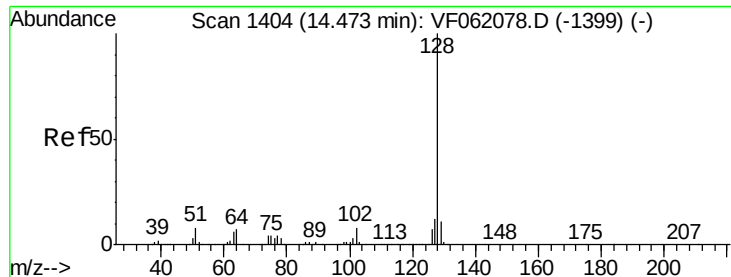
#94
 Hexachlorobutadiene
 Concen: 22.514 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50858		
223	61.9	30.0	90.0	
227	64.5	30.2	90.6	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 21.088 ug/l

RT: 14.44 min Scan# 1401

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

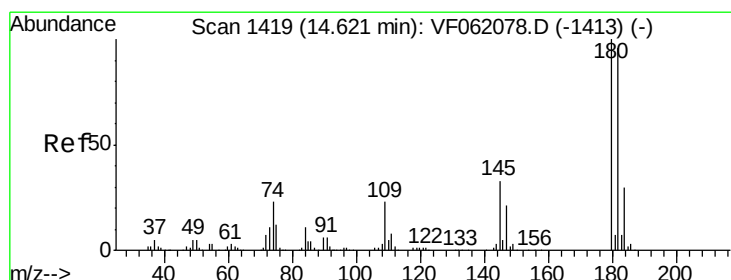
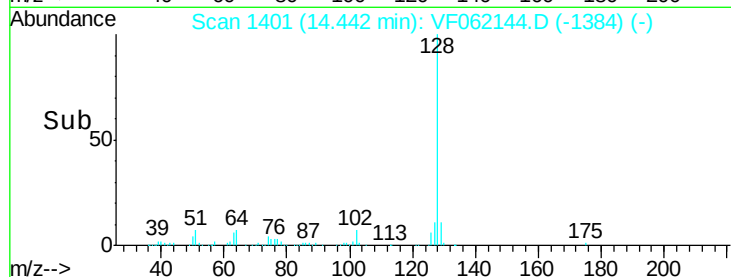
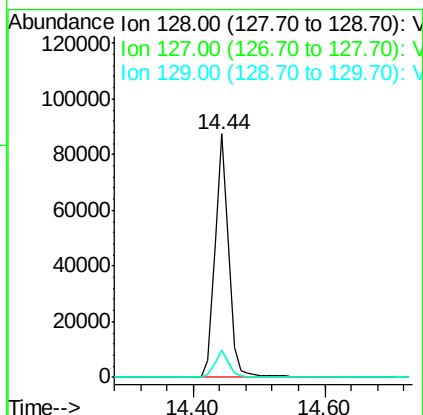
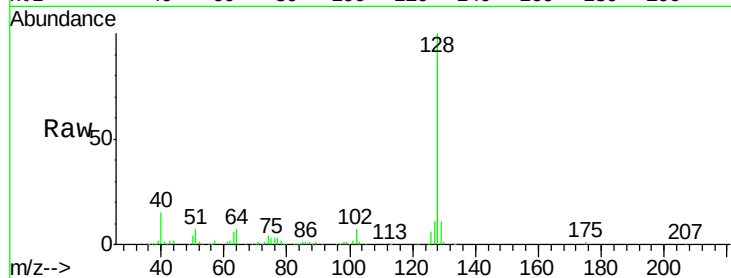
ClientSampleId :

VF0326SBS01

Tot Ion:	128	Resp:	125553
Ion Ratio	Lower	Upper	
128	100		
127	11.4	9.5	14.3
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:01:39 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.303 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	180	Resp:	70930
Ion Ratio	Lower	Upper	
180	100		
182	90.2	47.9	143.7
145	26.7	16.6	49.7

