

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060085.D
 Acq On : 24 Aug 2018 7:48
 Operator : VA/AP
 Sample : J4581-12MSD
 Misc : 5.98g/5mL/MSVOA F/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MSD

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 4:13:23 PM

Quant Time: Aug 24 09:07:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	147759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	248335	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	264404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	121609	60.14	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	120.28%	
35) Dibromofluoromethane	4.29	113	112352	57.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.22%	
50) Toluene-d8	7.71	98	277501	50.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.51	95	153433	52.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	105508	54.24	ug/l	98
3) Chloromethane	1.07	50	66720	53.07	ug/l	99
4) Vinyl Chloride	1.12	62	57423	47.54	ug/l	94
5) Bromomethane	1.31	94	42129	45.90	ug/l	98
6) Chloroethane	1.39	64	30163	63.35	ug/l	95
7) Trichlorofluoromethane	1.48	101	171246	70.51	ug/l	99
8) Diethyl Ether	1.70	74	22211	51.15	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.86	101	73724	57.83	ug/l	97
10) Methyl Iodide	1.92	142	76656	45.48	ug/l	88
11) Tert butyl alcohol	2.67	59	29205	271.46	ug/l #	91
12) 1,1-Dichloroethene	1.83	96	48156	51.27	ug/l	94
13) Acrolein	2.08	56	3960	80.23	ug/l	91
14) Allyl chloride	2.18	41	85443	51.22	ug/l	93
15) Acrylonitrile	3.07	53	54848	258.35	ug/l	99
16) Acetone	2.33	43	148721	279.82	ug/l	96
17) Carbon Disulfide	1.84	76	132673	45.11	ug/l	95
18) Methyl Acetate	2.45	43	97853	112.95	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	167249	55.58	ug/l	99
20) Methylene Chloride	2.28	84	62695	61.03	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	49670	47.26	ug/l	95
22) Diisopropyl ether	2.92	45	181275	48.53	ug/l	96
23) Vinyl Acetate	3.32	43	247102	124.87	ug/l	96
24) 1,1-Dichloroethane	3.00	63	128489	55.68	ug/l	99
25) 2-Butanone	4.50	43	188443	272.96	ug/l	100
26) 2,2-Dichloropropane	3.76	77	114982	48.16	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	84908	57.01	ug/l	98
28) Bromochloromethane	3.89	49	55942	57.42	ug/l	83
29) Tetrahydrofuran	4.24	42	76033	291.70	ug/l	96
30) Chloroform	4.03	83	196857	60.77	ug/l	95
31) Cyclohexane	3.86	56	86827	49.38	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	173318	62.48	ug/l	98
36) 1,1-Dichloropropene	4.46	75	113429	48.60	ug/l	99
37) Ethyl Acetate	4.28	43	55302	39.62	ug/l #	85
38) Carbon Tetrachloride	4.16	117	147133	54.45	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	95795	43.78	ug/l	87
40) Benzene	4.81	78	251407	49.32	ug/l	96
41) Methacrylonitrile	4.91	41	35924	50.89	ug/l	94
42) 1,2-Dichloroethane	5.11	62	150529	55.07	ug/l	98
43) Isopropyl Acetate	7.11	43	61036	34.75	ug/l #	99
44) Trichloroethene	5.67	130	83748	49.69	ug/l	97
45) 1,2-Dichloropropane	6.40	63	79473	55.11	ug/l	97
46) Dibromomethane	6.25	93	66187	58.66	ug/l	97
47) Bromodichloromethane	6.55	83	153962	56.49	ug/l	94
48) Methyl methacrylate	6.86	41	72036	61.97	ug/l	97
49) 1,4-Dioxane	6.86	88	11091	993.92	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	435839	287.31	ug/l	99
52) Toluene	7.78	92	183609	56.64	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	121915	49.33	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	142700	51.73	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	82752	60.16	ug/l	94
56) Ethyl methacrylate	8.76	69	74947	45.01	ug/l	92
57) 1,3-Dichloropropane	9.00	76	138768	57.40	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	34164	258.50	ug/l	100
59) 2-Hexanone	9.62	43	338734	275.90	ug/l	94
60) Dibromochloromethane	8.86	129	118944	58.58	ug/l	98
61) 1,2-Dibromoethane	9.13	107	95348	59.02	ug/l	96
64) Tetrachloroethene	8.30	164	97848	54.94	ug/l	98
65) Chlorobenzene	9.94	112	251422	50.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	101186	53.43	ug/l	97
67) Ethyl Benzene	10.04	91	428123	49.70	ug/l	100
68) m/p-Xylenes	10.26	106	308785	110.90	ug/l	99
69) o-Xylene	10.83	106	174077	51.58	ug/l	96
70) Styrene	10.90	104	176842	34.15	ug/l	97
71) Bromoform	10.89	173	74934	56.72	ug/l	96
73) Isopropylbenzene	11.23	105	496327	52.08	ug/l	99
74) N-amyl acetate	11.47	43	97448	32.90	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	127875	61.44	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	95404	59.11	ug/l	96
77) Bromobenzene	11.59	156	130590	50.39	ug/l	96
78) n-propylbenzene	11.68	91	595331	50.61	ug/l	98
79) 2-Chlorotoluene	11.81	91	346776	50.14	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	424605	51.14	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	41193m	55.78	ug/l	
82) 4-Chlorotoluene	11.99	91	386019	51.41	ug/l	98
83) tert-Butylbenzene	12.22	119	410860	50.74	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	418542	47.42	ug/l	98
85) sec-Butylbenzene	12.38	105	553844	49.13	ug/l	97
86) p-Isopropyltoluene	12.54	119	450068	48.12	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	237031	49.46	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	236681	49.70	ug/l	96
89) n-Butylbenzene	12.92	91	432338	47.58	ug/l	98
90) Hexachloroethane	12.99	117	110063	52.37	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	229992	49.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25673	60.36	ug/l	97

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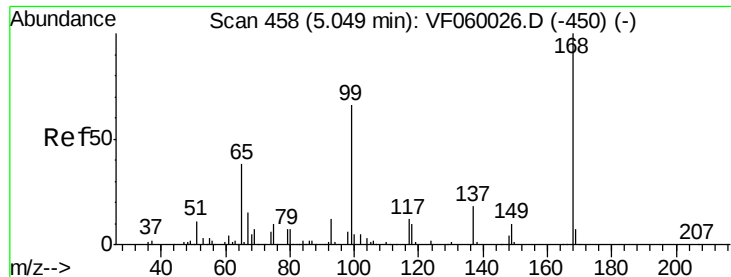
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	149481	44.05	ug/l	96
94) Hexachlorobutadiene	14.26	225	88633	41.96	ug/l	99
95) Naphthalene	14.52	128	259025	44.26	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	152520	47.10	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:168 Resp: 147759

Ion Ratio Lower Upper

168 100

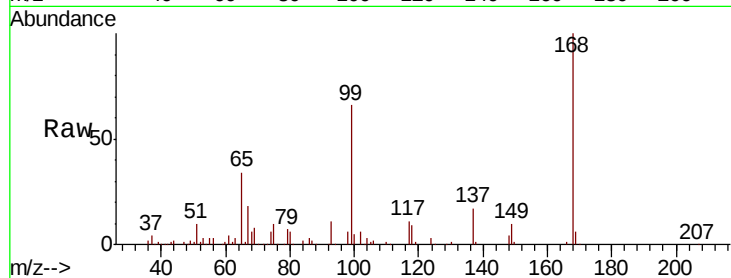
99 66.2 52.6 79.0

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

5.04

60000

50000

40000

30000

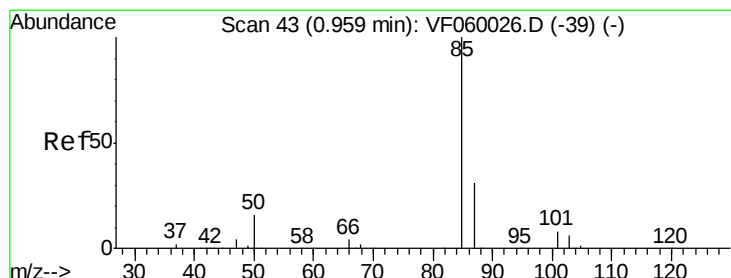
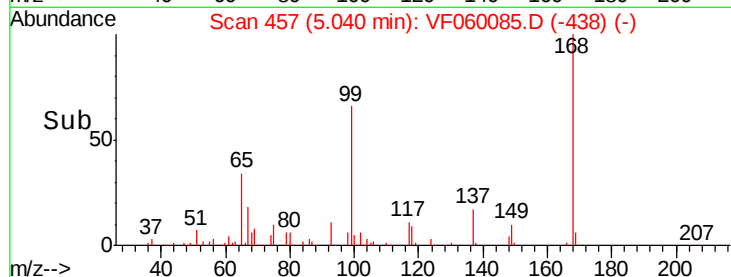
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 54.24 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060085.D

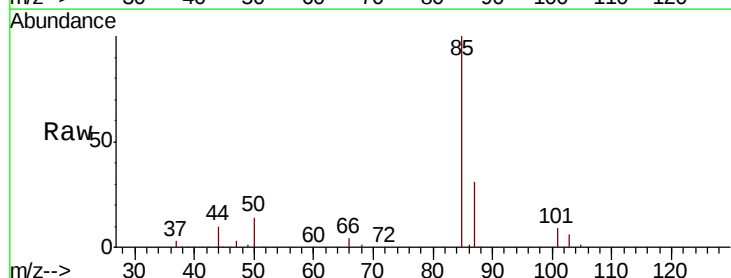
Acq: 24 Aug 2018 7:48

Tgt Ion: 85 Resp: 105508

Ion Ratio Lower Upper

85 100

87 31.5 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

80000

60000

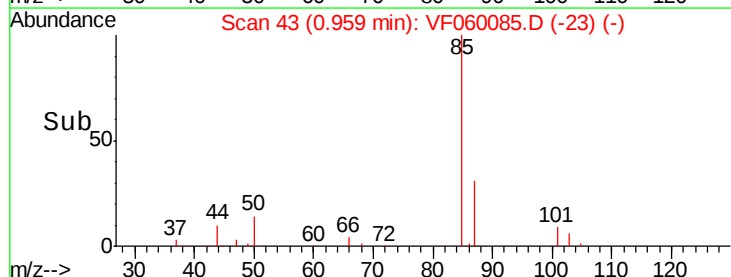
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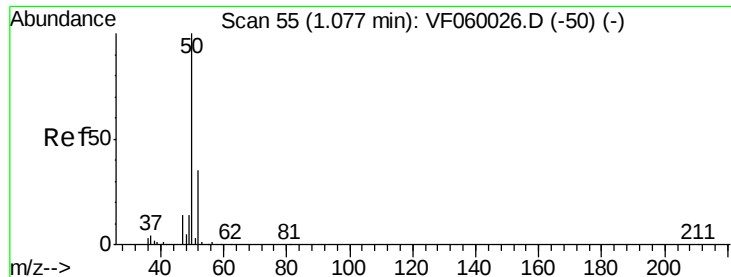
20000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 53.07 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion: 50 Resp: 66720

Ion Ratio Lower Upper

50 100

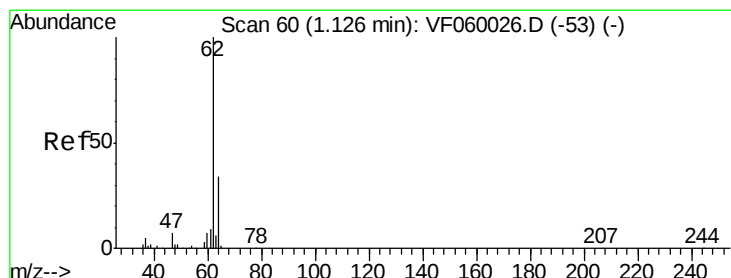
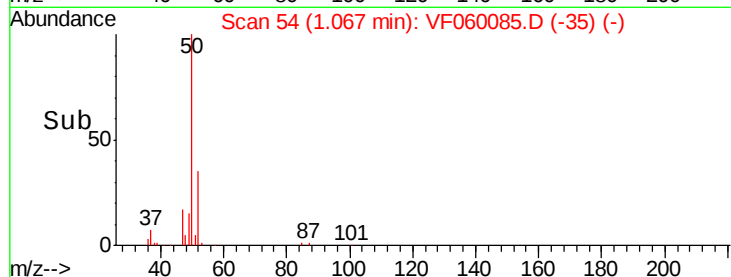
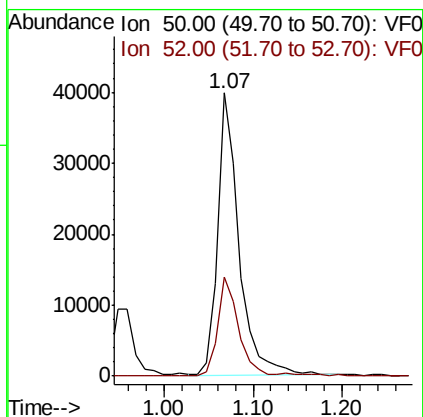
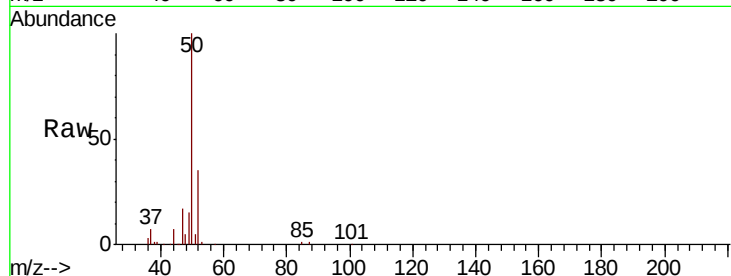
52 34.9 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.54 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060085.D

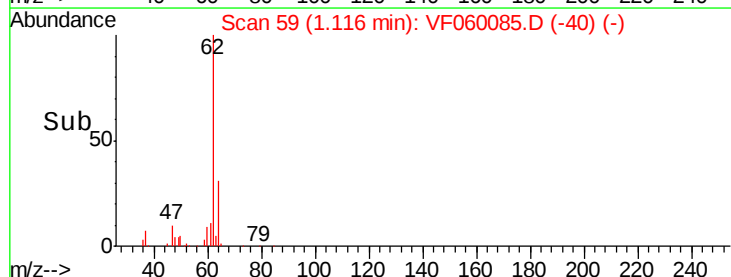
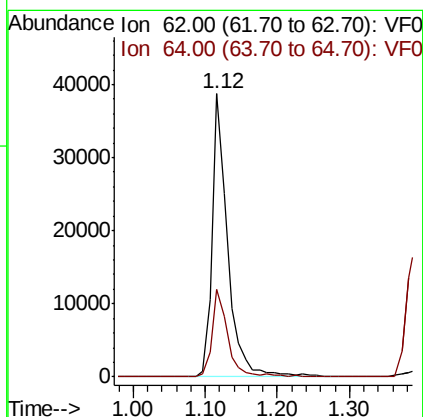
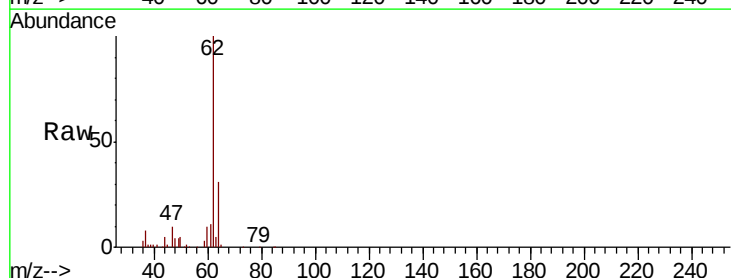
Acq: 24 Aug 2018 7:48

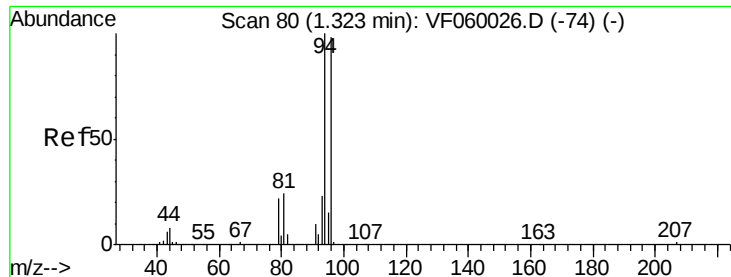
Tgt Ion: 62 Resp: 57423

Ion Ratio Lower Upper

62 100

64 31.0 27.4 41.2





#5

Bromomethane

Concen: 45.90 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion: 94 Resp: 42129

Ion Ratio Lower Upper

94 100

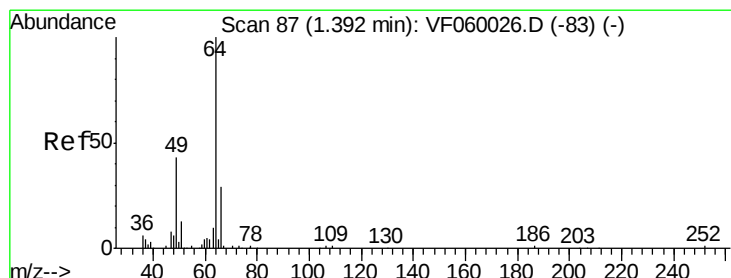
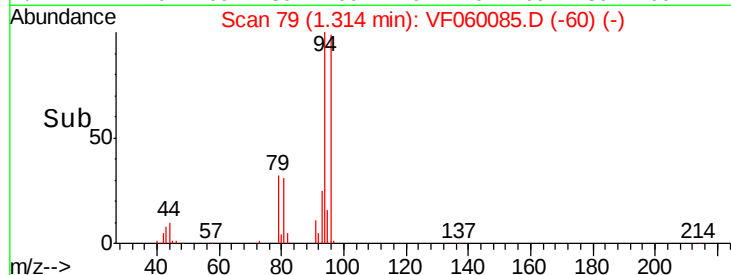
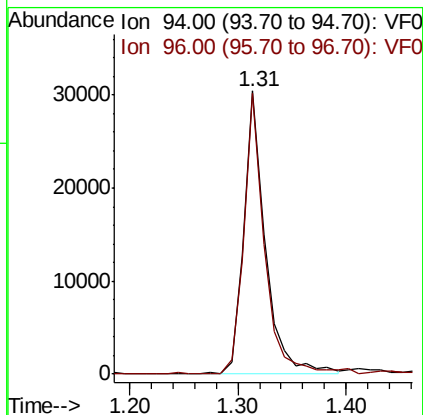
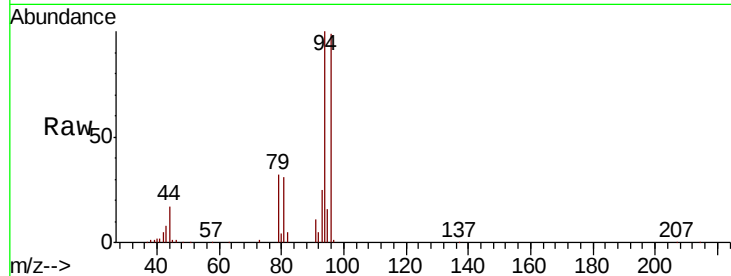
96 100.0 78.6 118.0

Manual Integrations

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#6

Chloroethane

Concen: 63.35 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060085.D

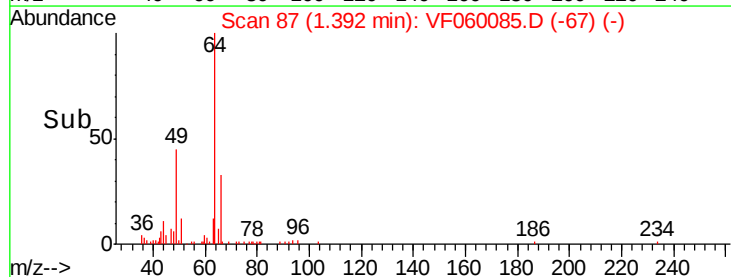
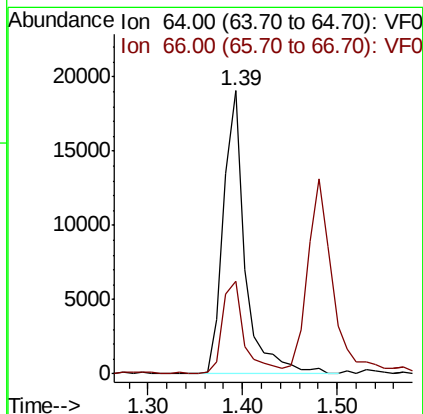
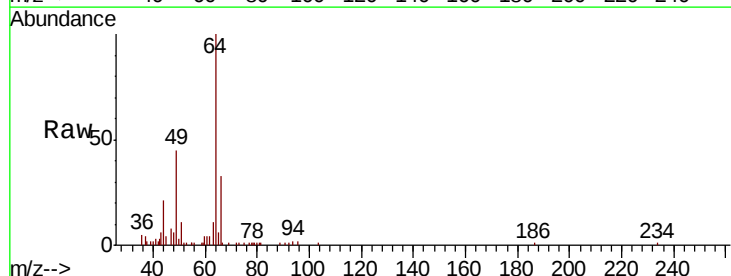
Acq: 24 Aug 2018 7:48

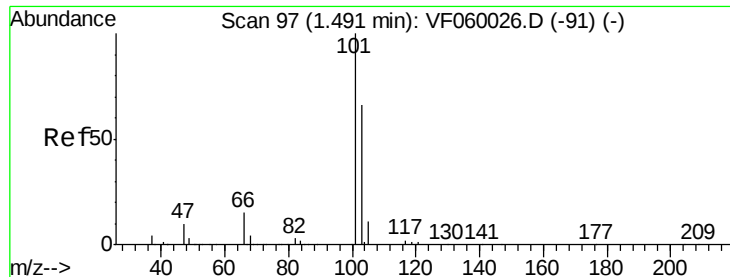
Tgt Ion: 64 Resp: 30163

Ion Ratio Lower Upper

64 100

66 32.9 24.1 36.1





#7

Trichlorofluoromethane

Concen: 70.51 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

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Tot Ion:101 Resp: 171246

Ion Ratio Lower Upper

101 100

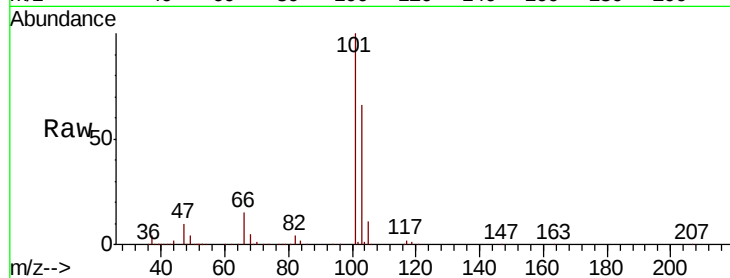
103 66.0 52.5 78.7

Manual Integrations

APPROVED

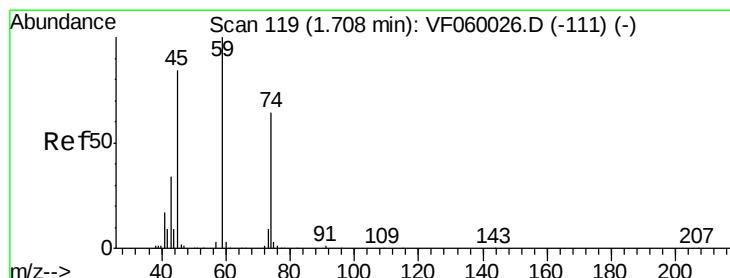
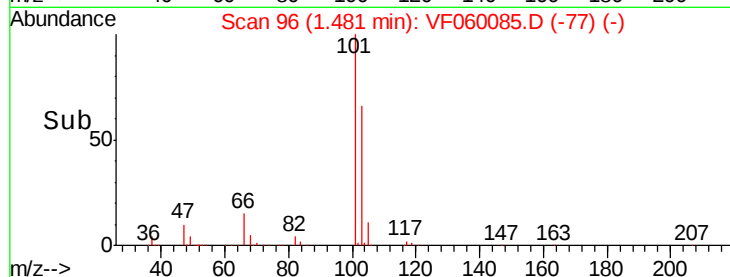
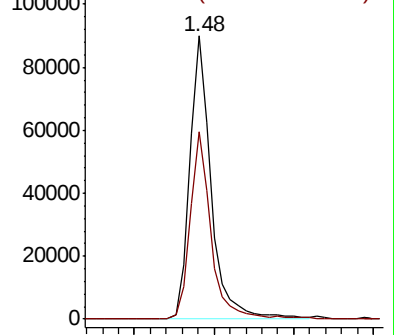
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.15 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF060085.D

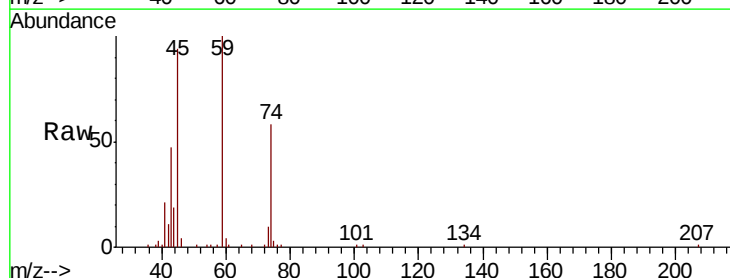
Acq: 24 Aug 2018 7:48

Tgt Ion: 74 Resp: 22211

Ion Ratio Lower Upper

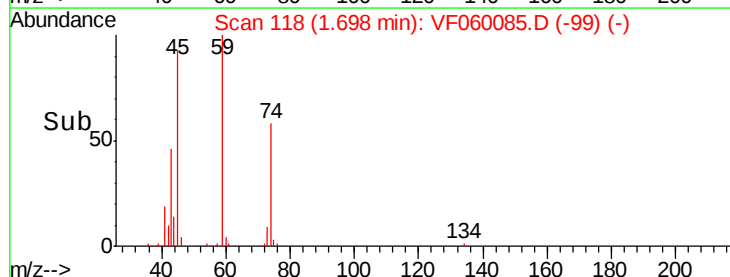
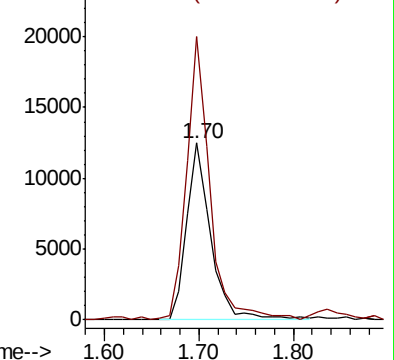
74 100

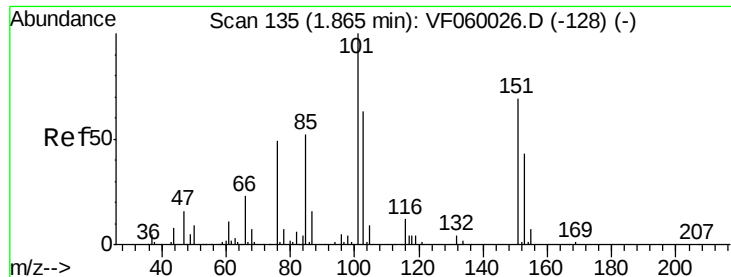
45 160.3 66.0 198.0



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: 57.83 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

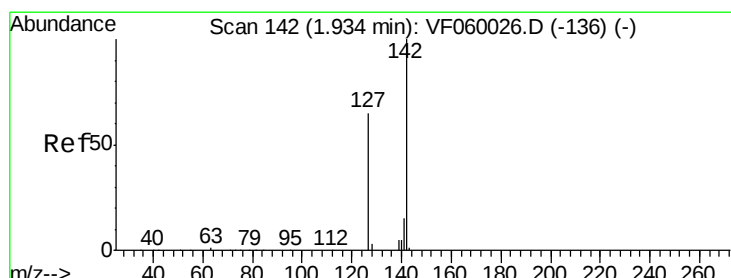
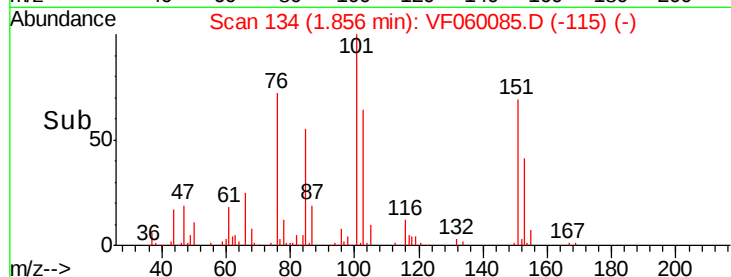
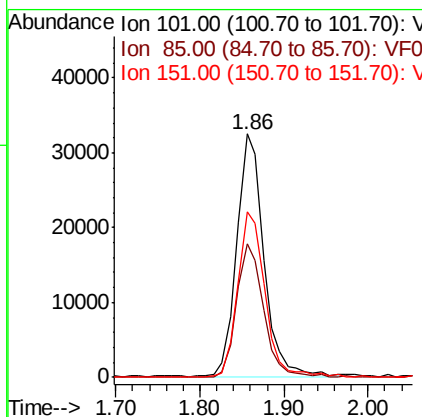
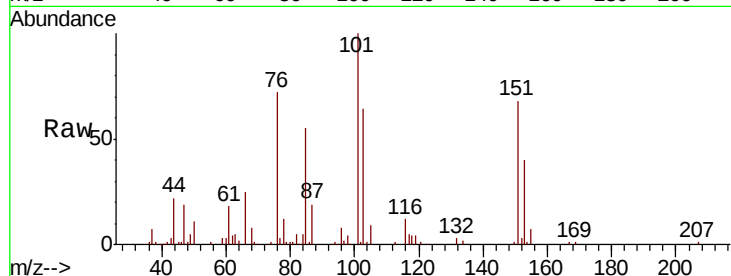
ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:	101	Resp:	73724
Ion Ratio	Lower	Upper	
101	100		
85	55.1	41.5	62.3
151	68.2	55.2	82.8

Manual Integrations
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#10

Methyl Iodide

Concen: 45.48 ug/l

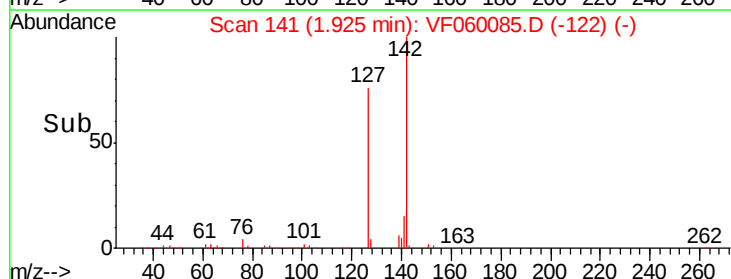
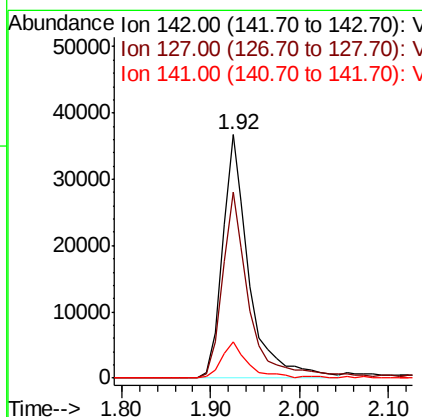
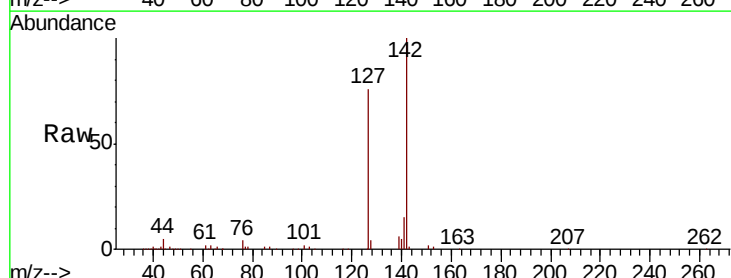
RT: 1.92 min Scan# 141

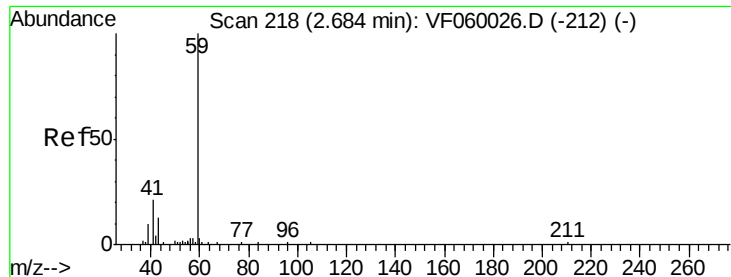
Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion:	142	Resp:	76656
Ion Ratio	Lower	Upper	
142	100		
127	76.5	51.8	77.6
141	15.0	11.9	17.9





#11

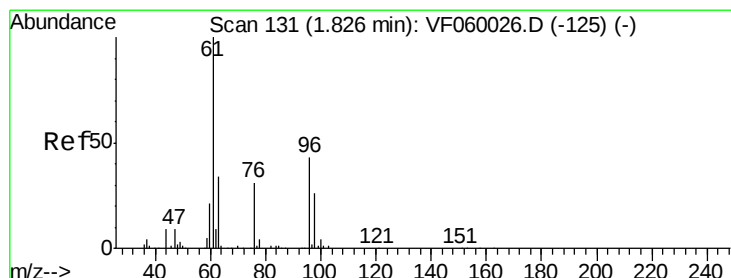
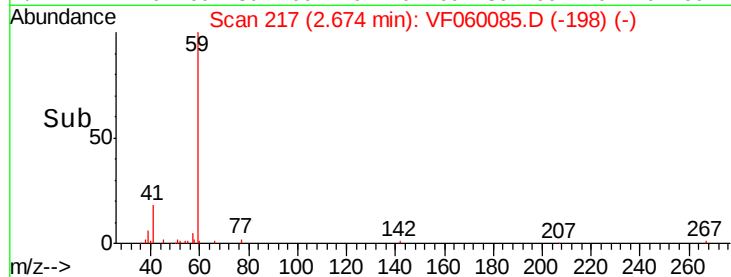
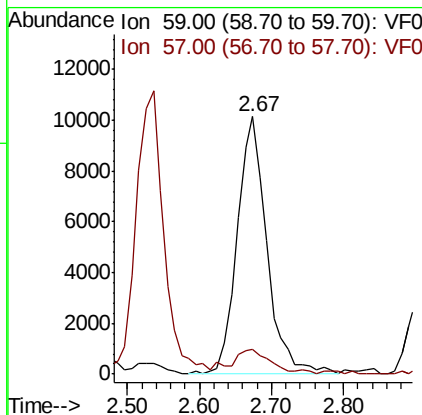
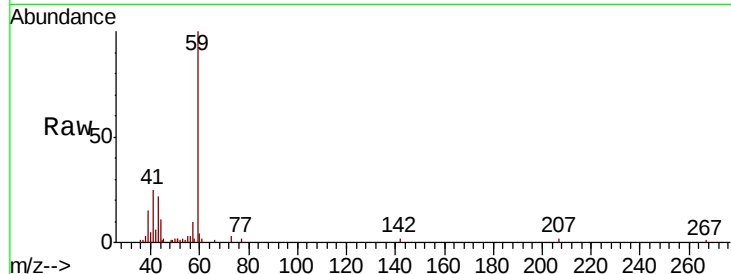
Tert butyl alcohol
 Concen: 271.46 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	29205		
57	9.8		5.4	8.2#

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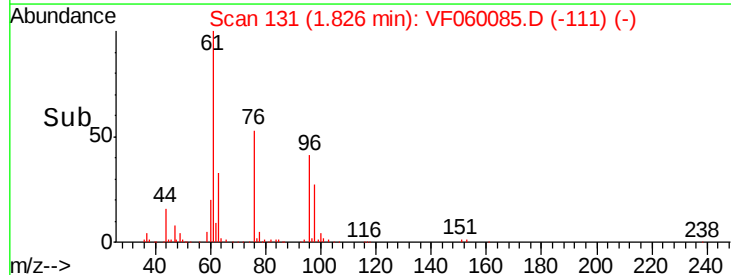
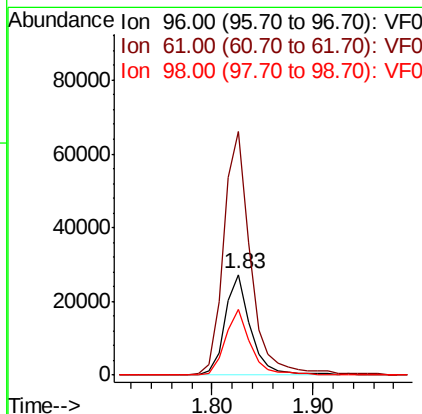
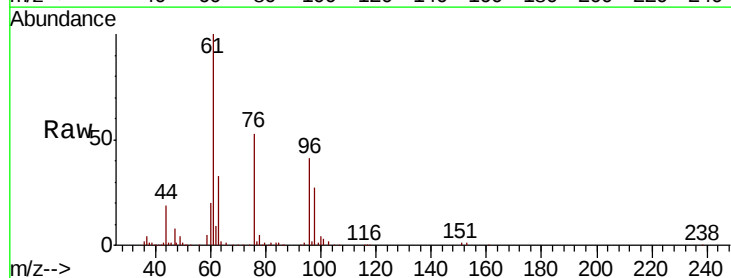
MMDadoda
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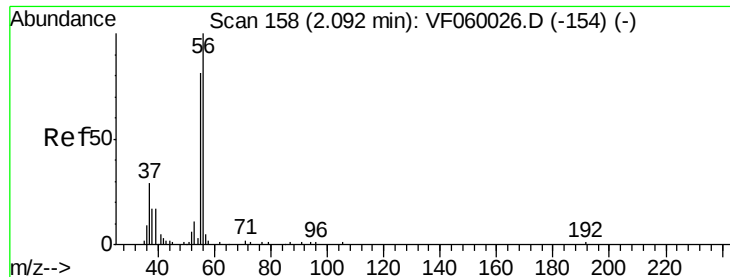


#12

1,1-Dichloroethene
 Concen: 51.27 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. 0.00 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	48156		
61	241.6		185.0	277.6
98	65.2		47.8	71.8





#13

Acrolein

Concen: 80.23 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion: 56 Resp: 3960

Ion Ratio Lower Upper

56 100

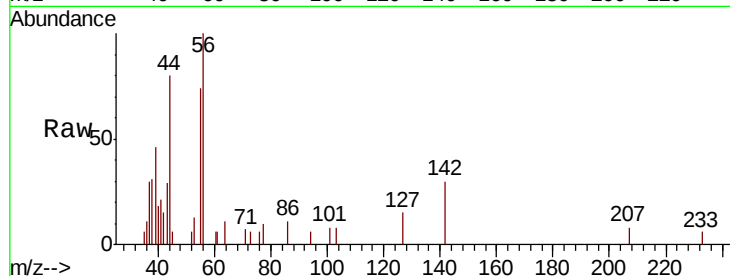
55 73.5 65.6 98.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2000

1500

1000

500

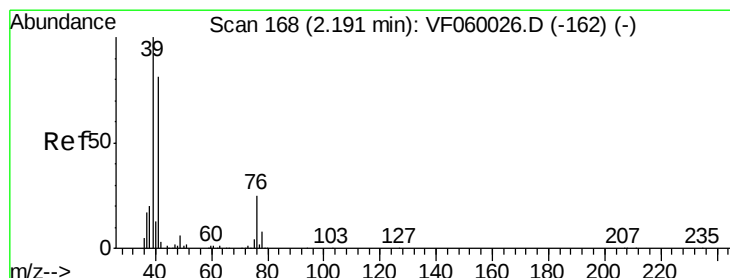
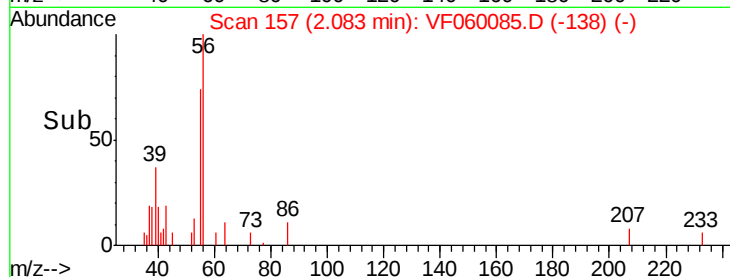
0

2.00

2.10

2.20

Time-->



#14

Allyl chloride

Concen: 51.22 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

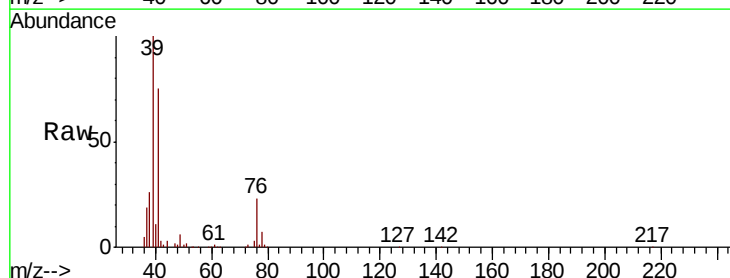
Tgt Ion: 41 Resp: 85443

Ion Ratio Lower Upper

41 100

39 133.9 99.3 148.9

76 30.7 24.3 36.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

60000

40000

20000

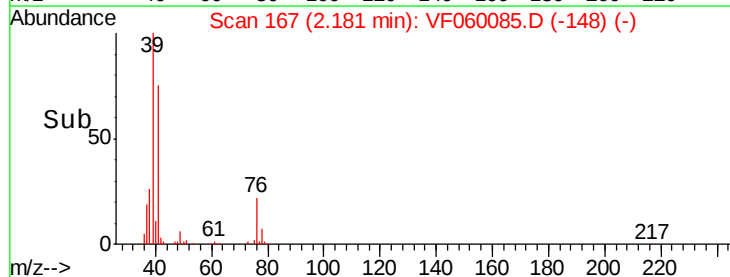
0

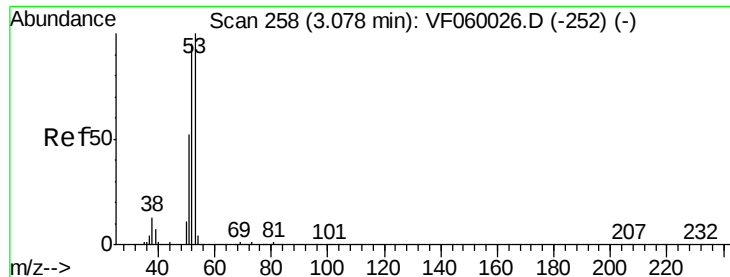
2.10

2.20

2.30

Time-->





#15

Acrylonitrile

Concen: 258.35 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

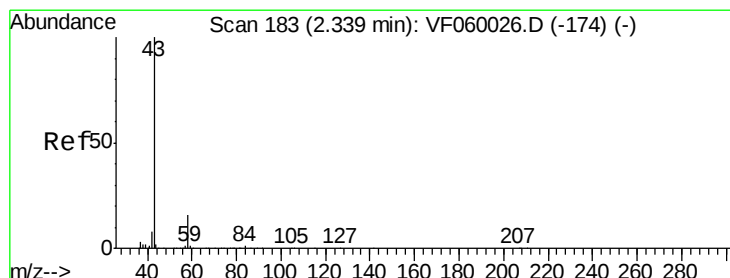
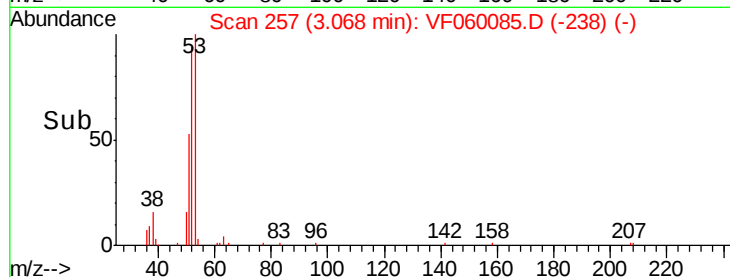
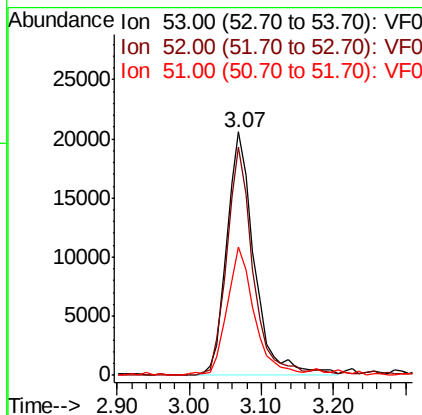
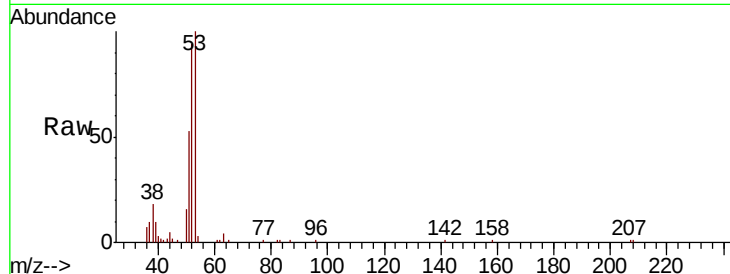
ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:	53	Resp:	54848
Ion	Ratio	Lower	Upper
53	100		
52	93.7	75.8	113.8
51	52.7	42.1	63.1

Manual Integrations
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#16

Acetone

Concen: 279.82 ug/l

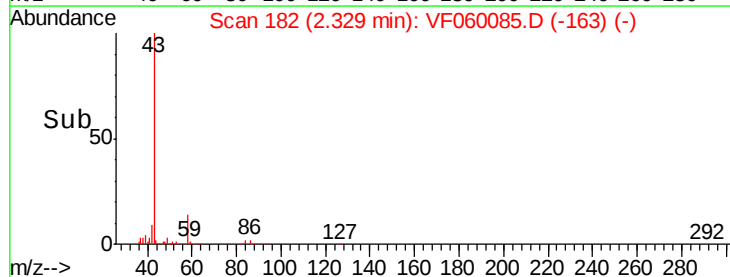
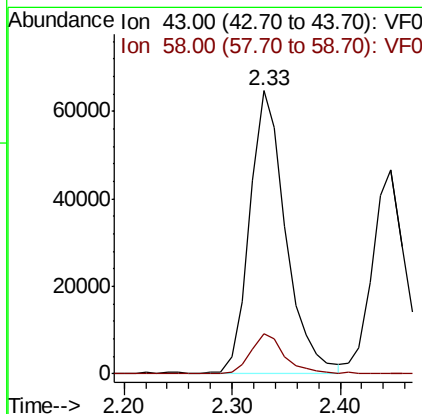
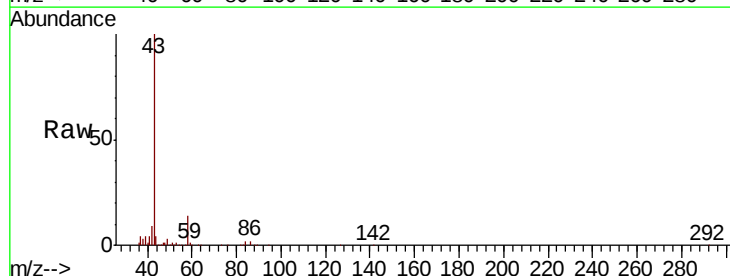
RT: 2.33 min Scan# 182

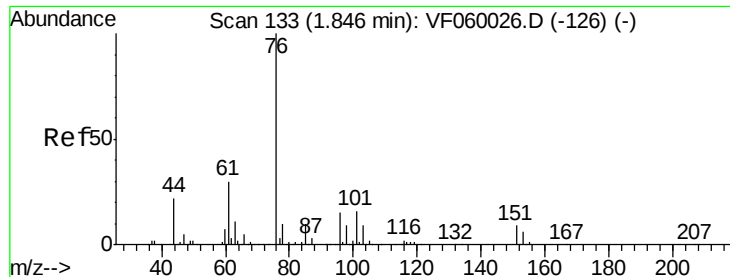
Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion:	43	Resp:	148721
Ion	Ratio	Lower	Upper
43	100		
58	14.2	12.6	19.0





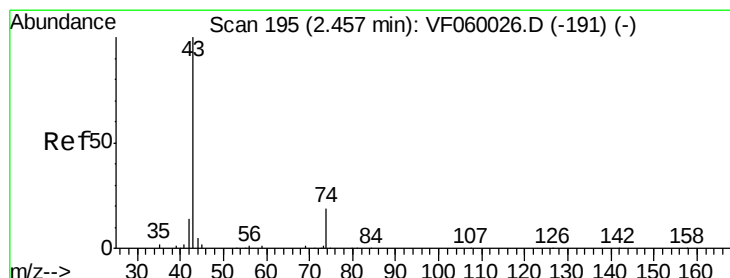
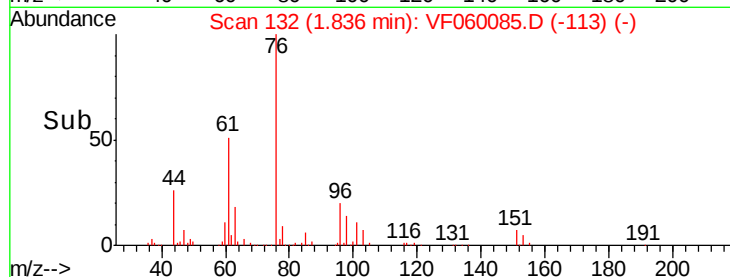
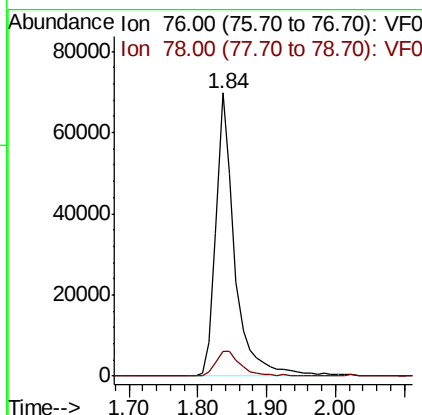
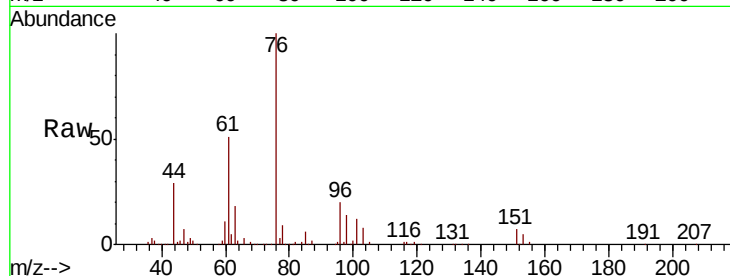
#17
Carbon Disulfide
Concen: 45.11 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	8.4	12.6

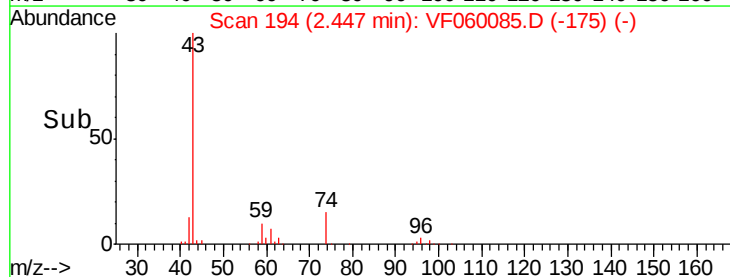
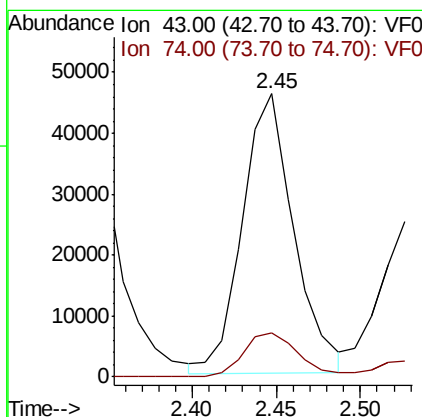
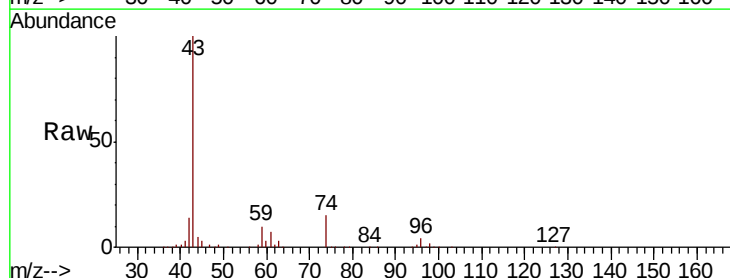
Manual Integrations
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#18
Methyl Acetate
Concen: 112.95 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.4	13.8	20.6





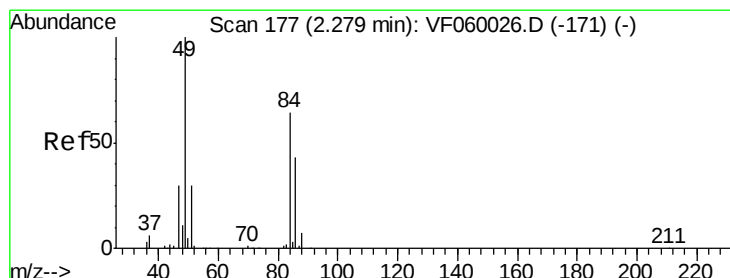
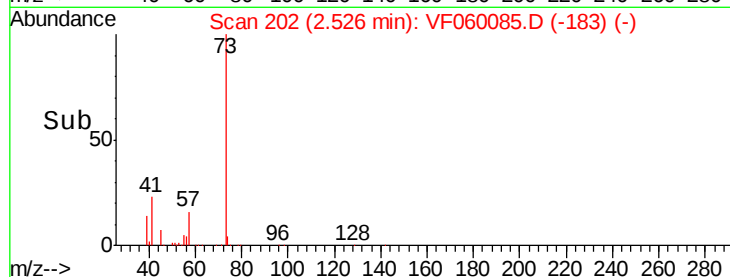
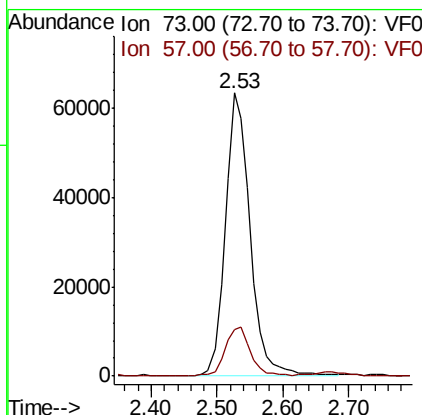
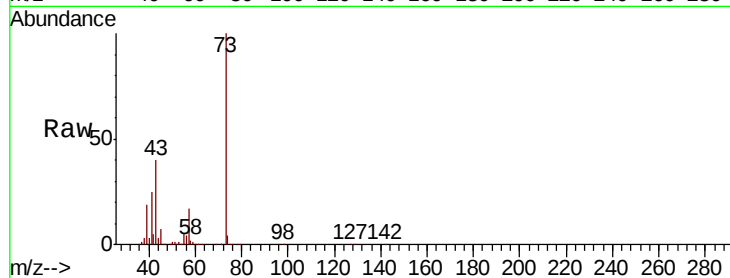
#19
Methvl tert-butvl Ether
Concen: 55.58 ug/l
RT: 2.53 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.5	13.7	20.5

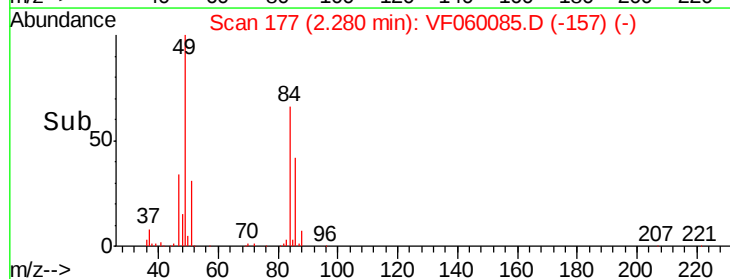
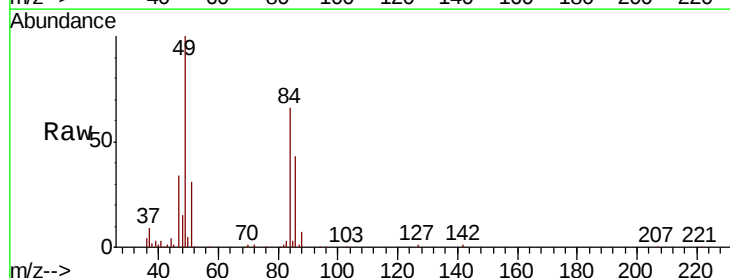
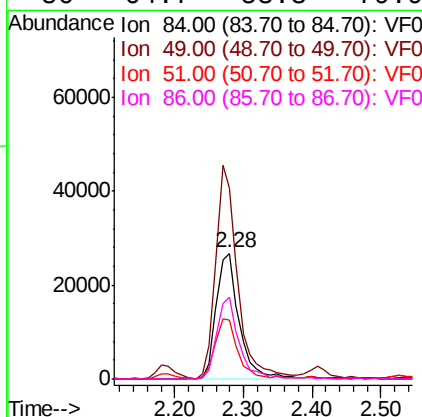
Manual Integrations
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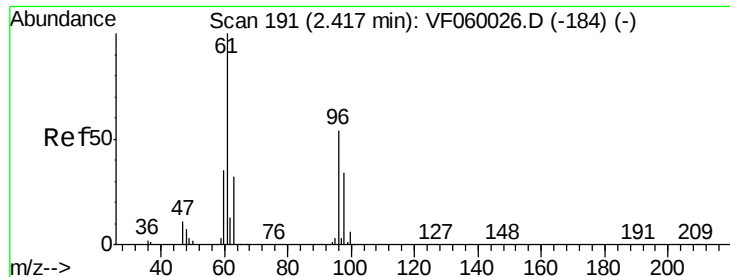
MMDadoda
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#20
Methylene Chloride
Concen: 61.03 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.8	125.4	188.0
51	46.7	38.3	57.5
86	64.7	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 47.26 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

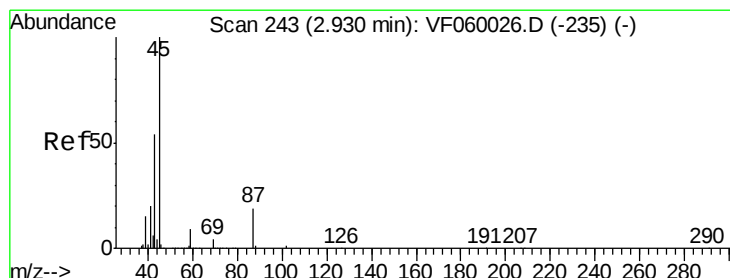
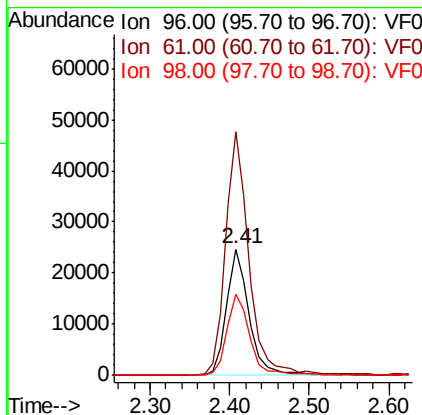
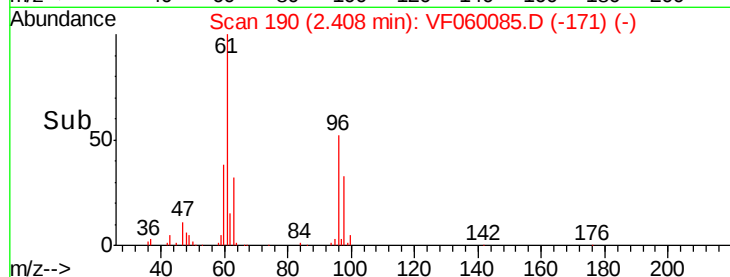
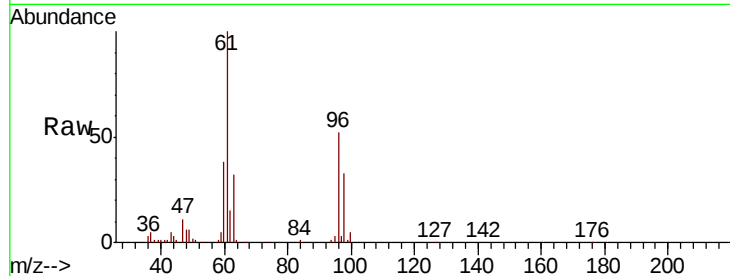
ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:	96	Resp:	49670
Ion	Ratio	Lower	Upper
96	100		
61	192.7	147.4	221.0
98	64.5	49.8	74.6

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#22

Diisopropyl ether

Concen: 48.53 ug/l

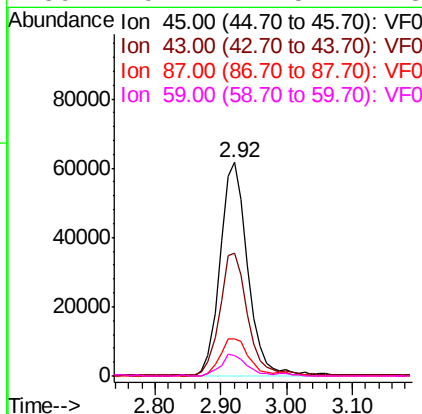
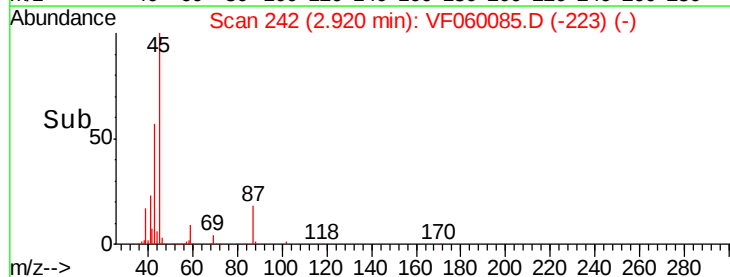
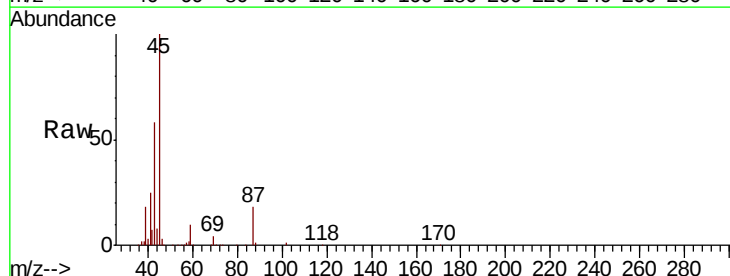
RT: 2.92 min Scan# 242

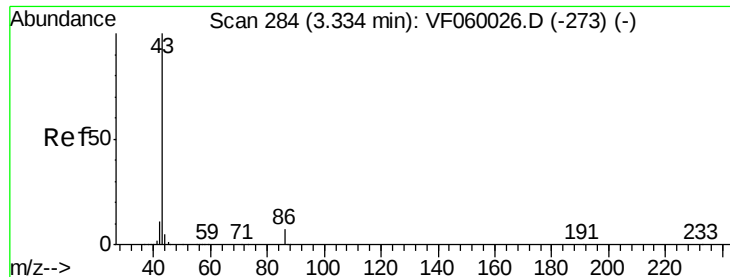
Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion:	45	Resp:	181275
Ion	Ratio	Lower	Upper
45	100		
43	57.7	43.4	65.2
87	17.7	15.4	23.2
59	9.7	7.5	11.3





#23

Vinyl Acetate

Concen: 124.87 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion: 43 Resp: 247102

Ion Ratio Lower Upper

43 100

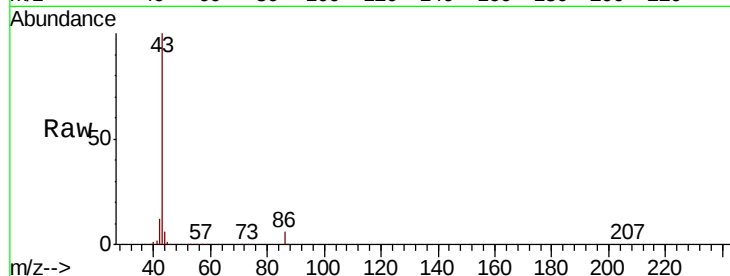
86 5.8 5.6 8.4

Manual Integrations

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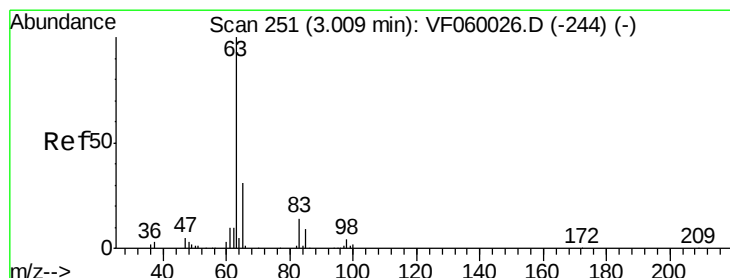
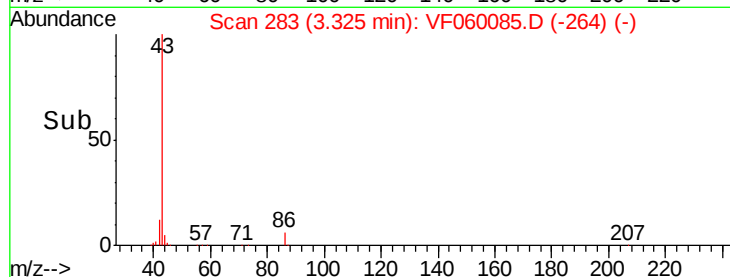
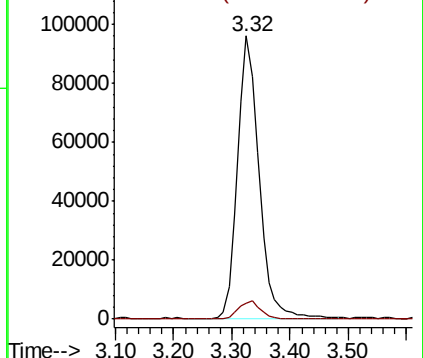
MMDadoda

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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: 55.68 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

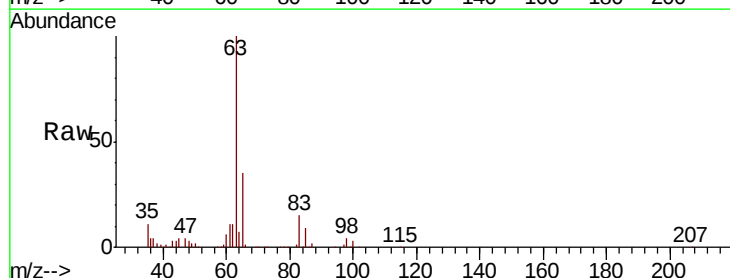
Tgt Ion: 63 Resp: 128489

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.5

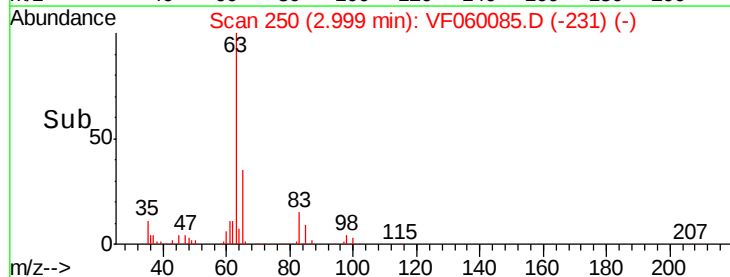
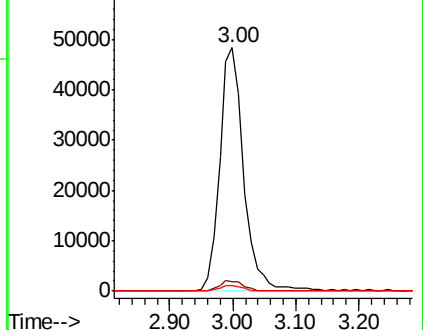
100 2.5 1.1 3.3

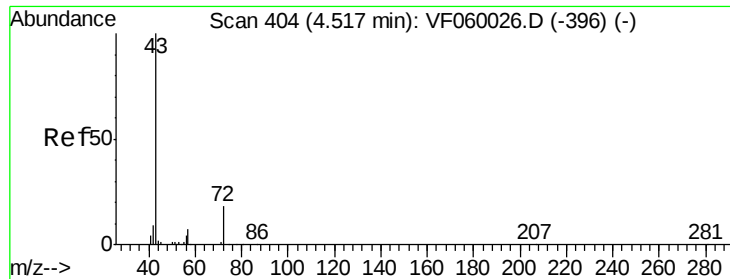


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 272.96 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion: 43 Resp: 188443

Ion Ratio Lower Upper

43 100

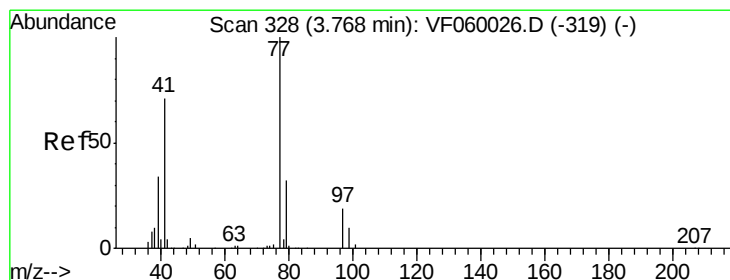
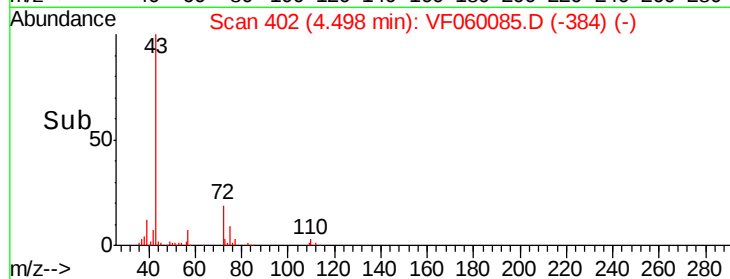
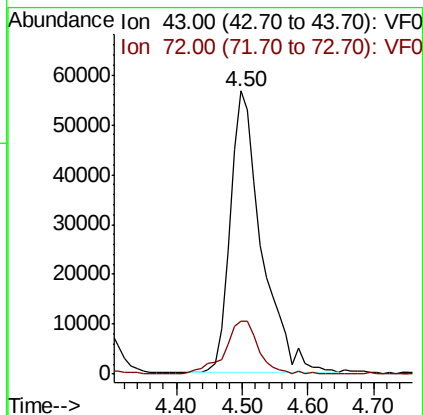
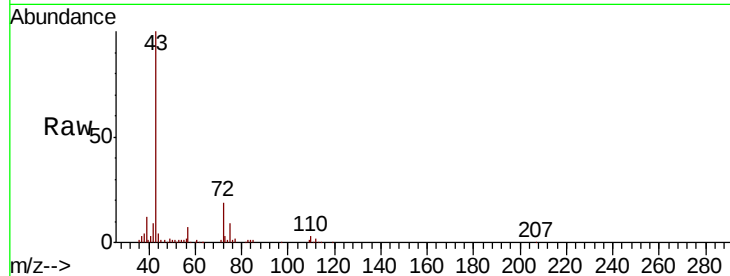
72 18.7 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.16 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060085.D

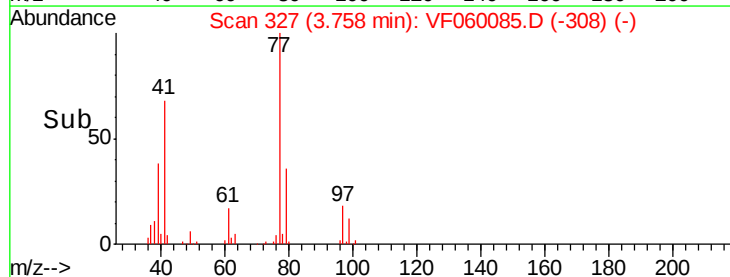
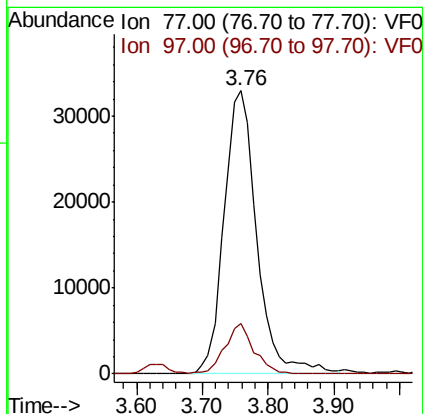
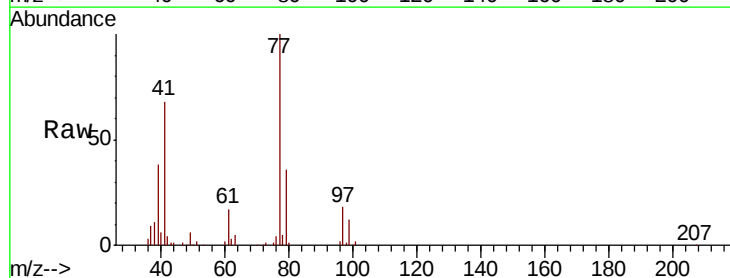
Acq: 24 Aug 2018 7:48

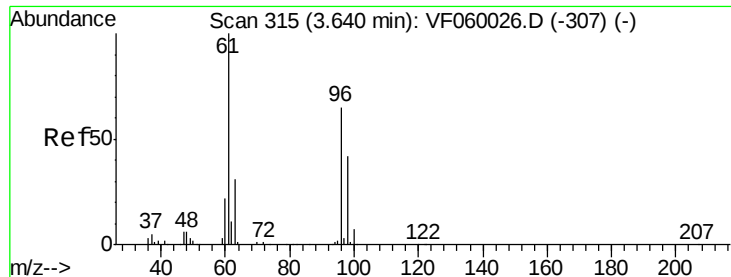
Tgt Ion: 77 Resp: 114982

Ion Ratio Lower Upper

77 100

97 17.9 9.7 29.1





#27

cis-1,2-Dichloroethene

Concen: 57.01 ug/l

RT: 3.63 min Scan# 314

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

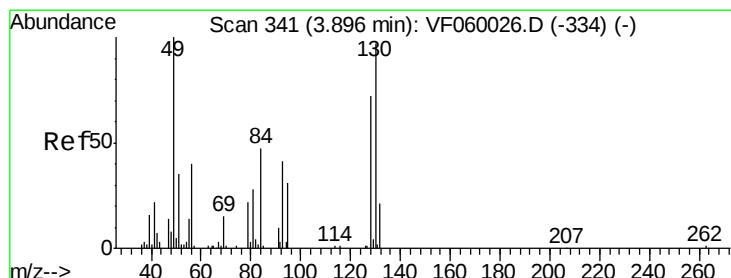
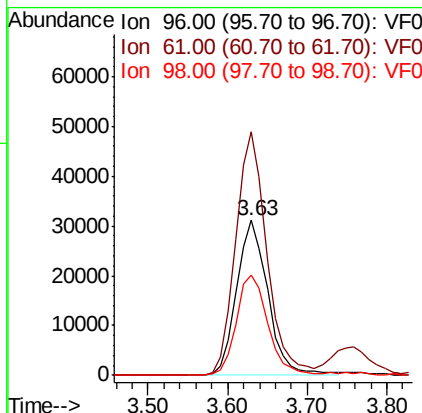
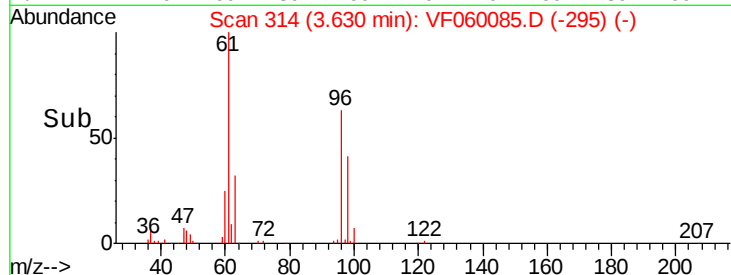
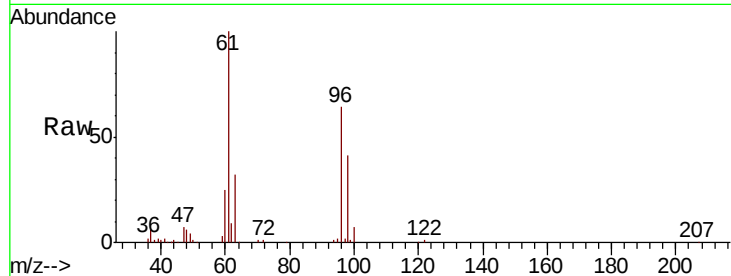
ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:	96	Resp:	84908
Ion Ratio	Lower	Upper	
96	100		
61	157.0	0.0	307.6
98	64.7	0.0	128.4

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#28

Bromochloromethane

Concen: 57.42 ug/l

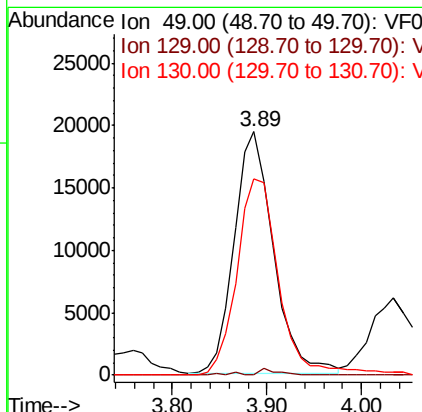
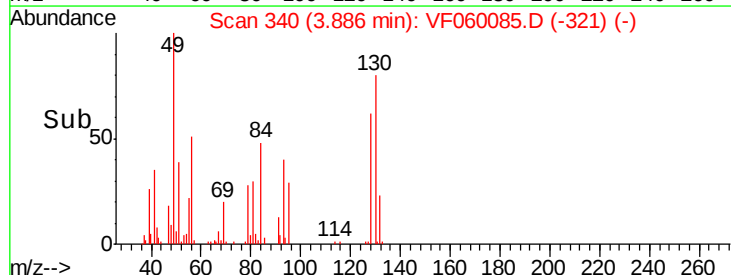
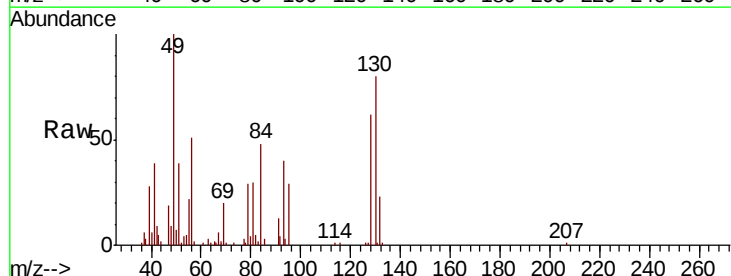
RT: 3.89 min Scan# 340

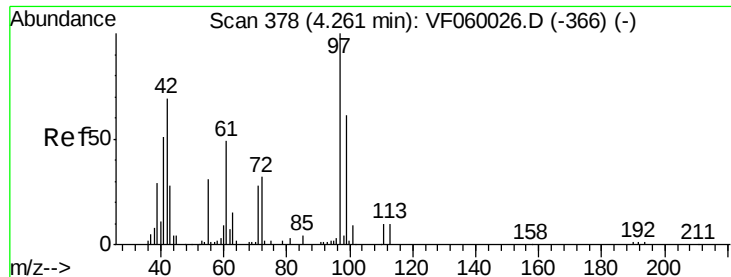
Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion:	49	Resp:	55942
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	7.4
130	80.4	78.0	117.0





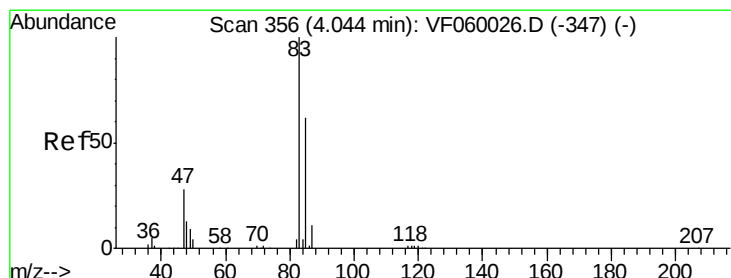
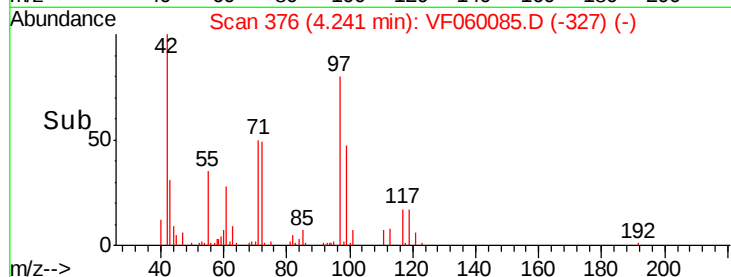
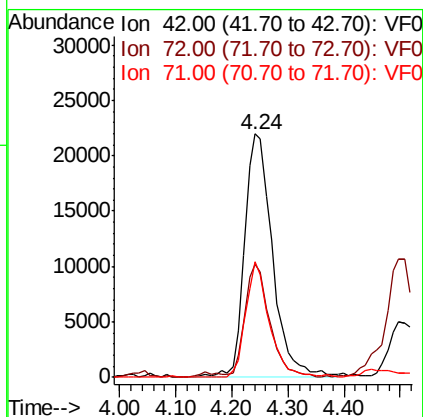
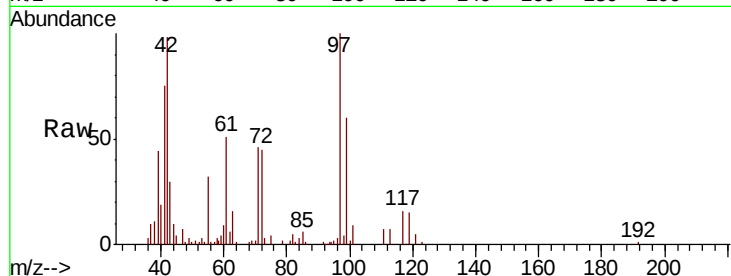
#29
Tetrahydrofuran
Concen: 291.70 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.02 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	31.4	47.2
71	39.9	29.7	44.5

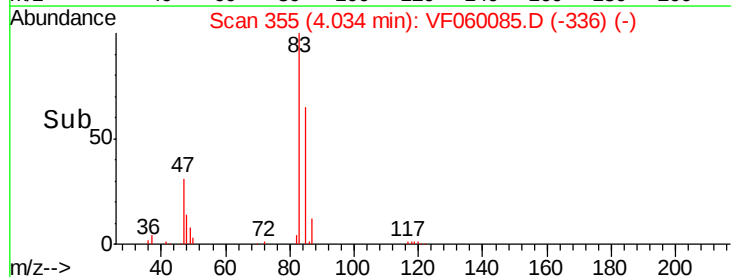
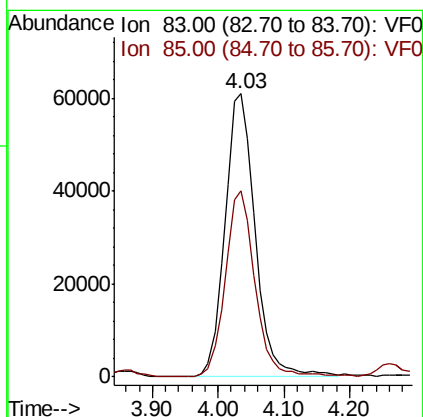
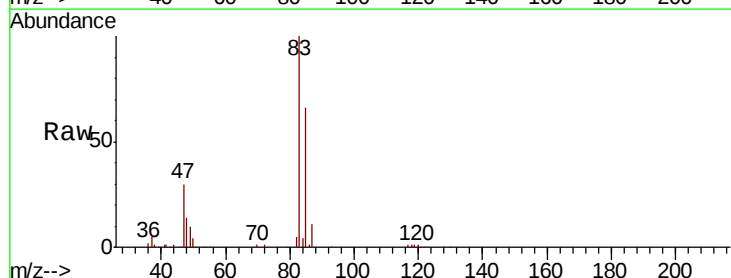
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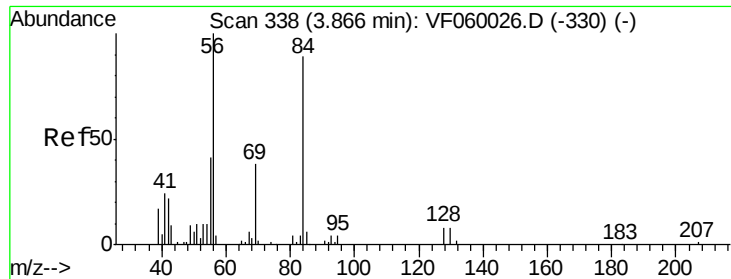
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#30
Chloroform
Concen: 60.77 ug/l
RT: 4.03 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.5	74.3





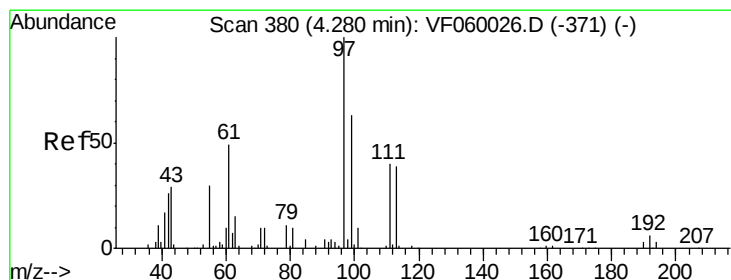
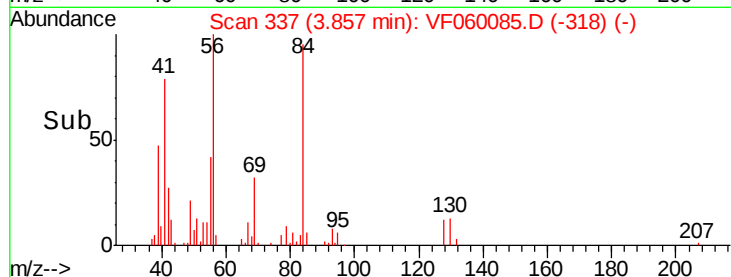
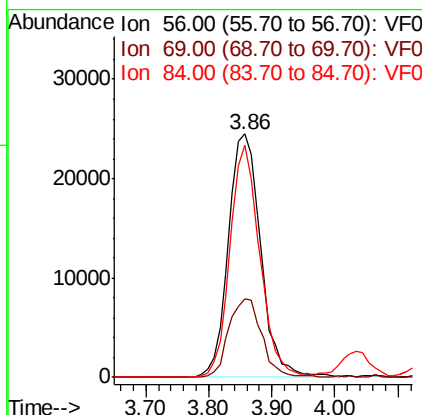
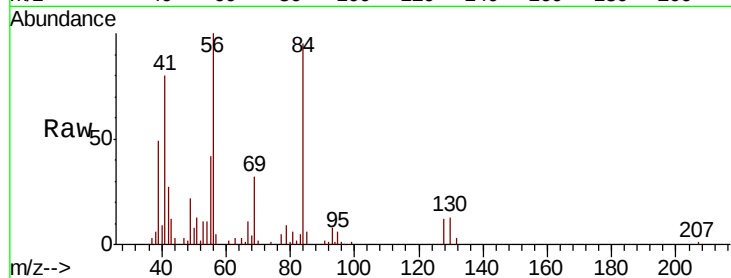
#31
Cyclohexane
Concen: 49.38 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	30.4	45.6
84	95.4	71.4	107.2

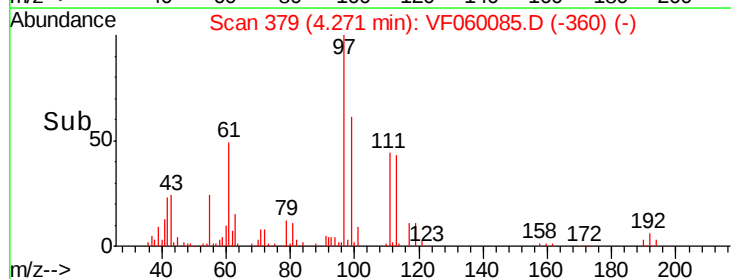
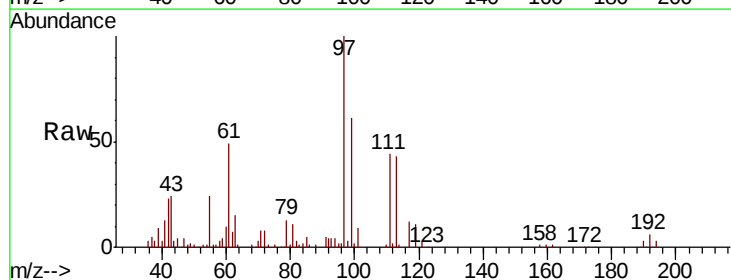
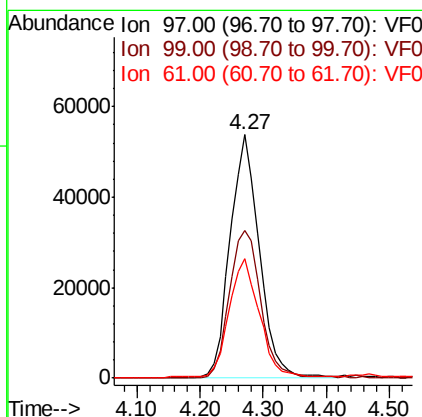
Manual Integrations
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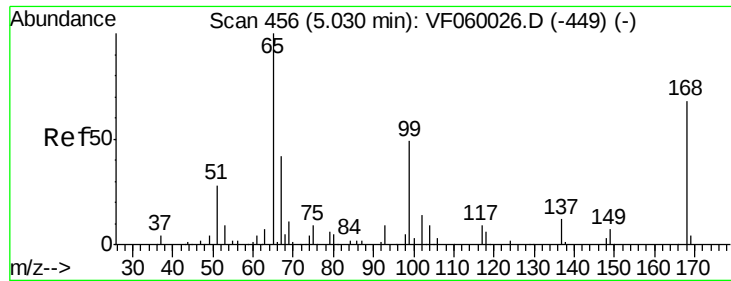
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#32
1,1,1-Trichloroethane
Concen: 62.48 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.7	50.3	75.5
61	49.3	40.3	60.5





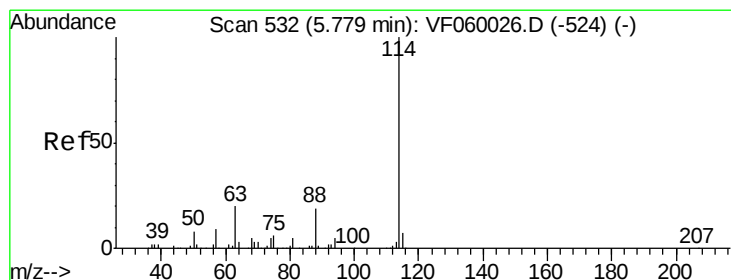
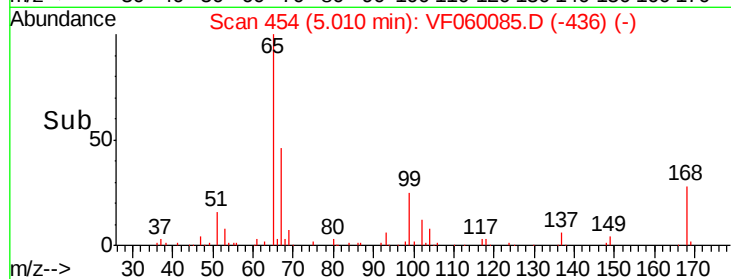
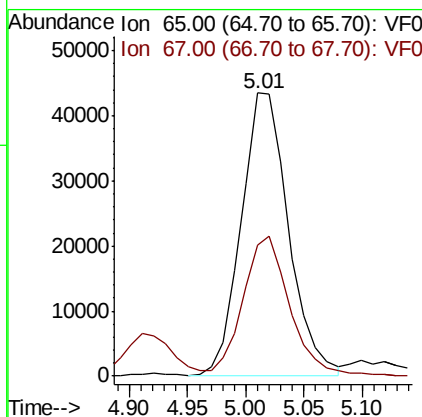
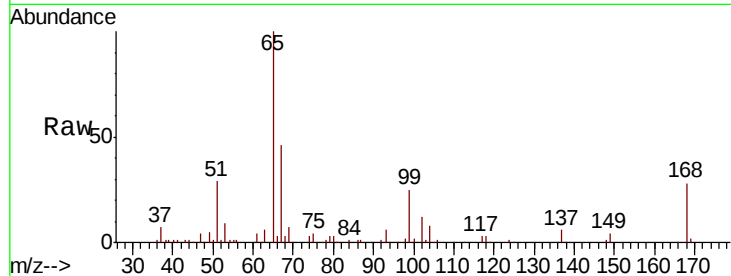
#33
 1,2-Dichloroethane-d4
 Concen: 60.14 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	121609		
67	46.3	0.0	92.0	

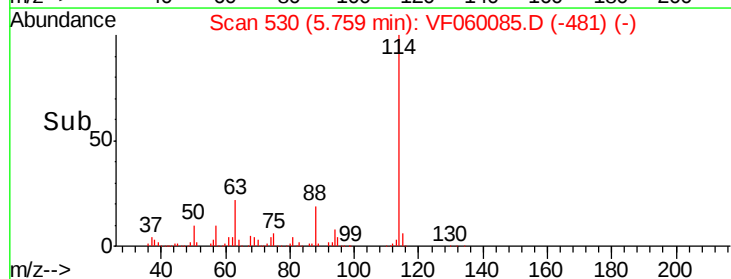
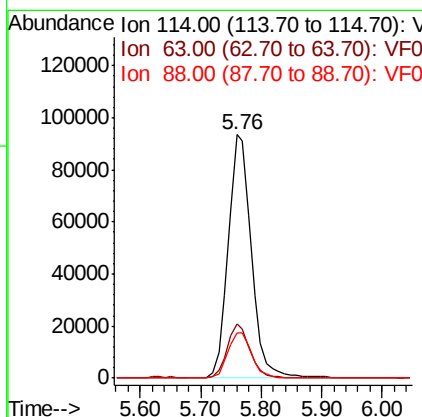
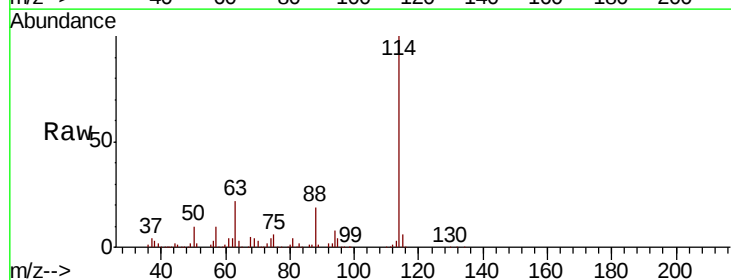
Manual Integrations
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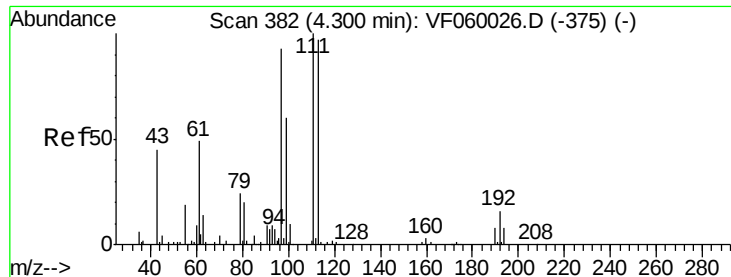
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	248335		
63	22.1	0.0	40.4	
88	18.8	0.0	38.6	





#35

Dibromofluoromethane

Concen: 57.61 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

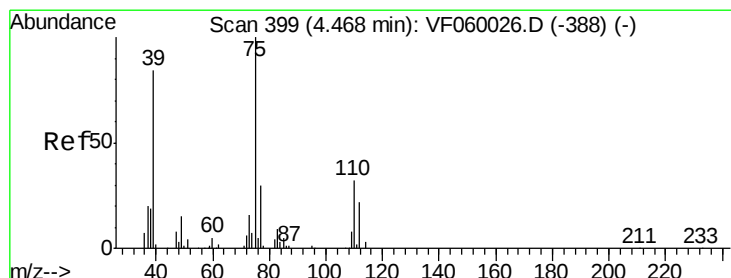
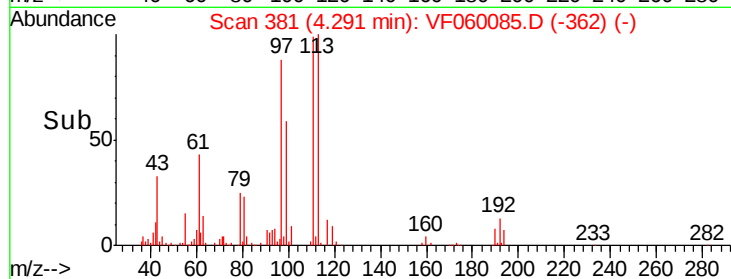
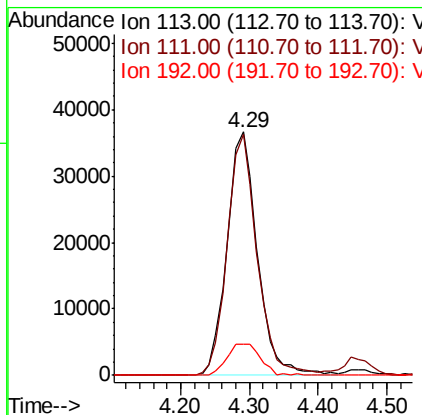
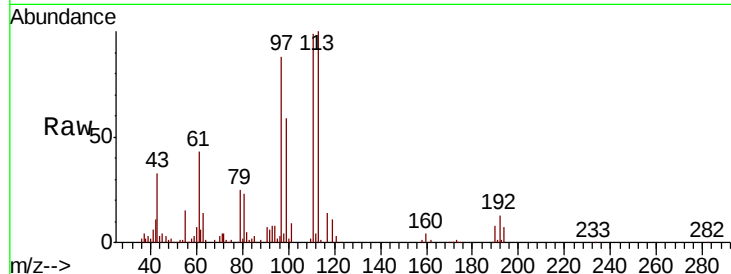
ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:	113	Resp:	112352
Ion Ratio	Lower	Upper	
113	100		
111	98.9	82.7	124.1
192	12.9	13.0	19.4#

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.60 ug/l

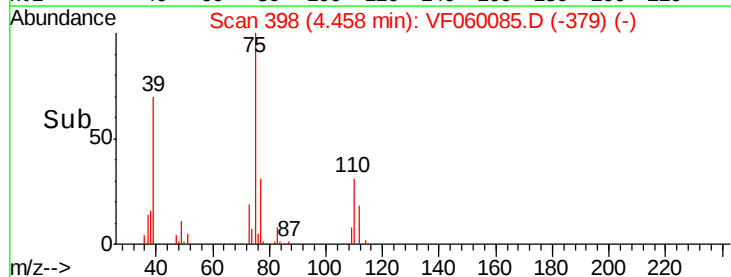
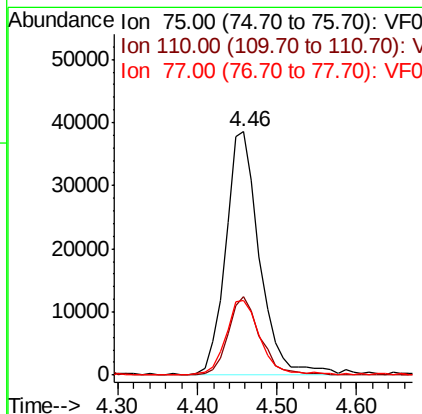
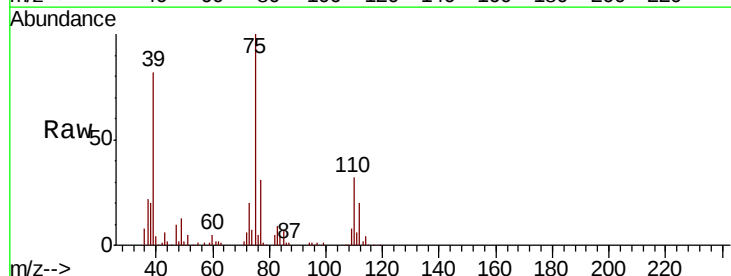
RT: 4.46 min Scan# 398

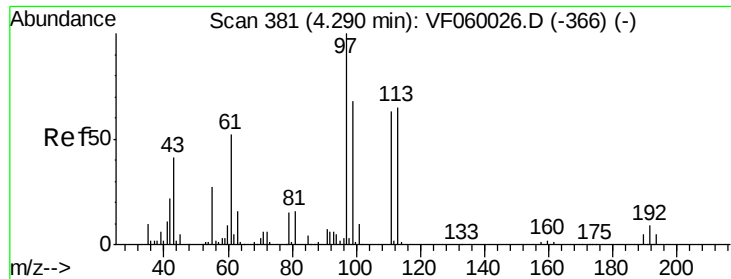
Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion:	75	Resp:	113429
Ion Ratio	Lower	Upper	
75	100		
110	32.1	16.0	47.9
77	30.9	24.1	36.1





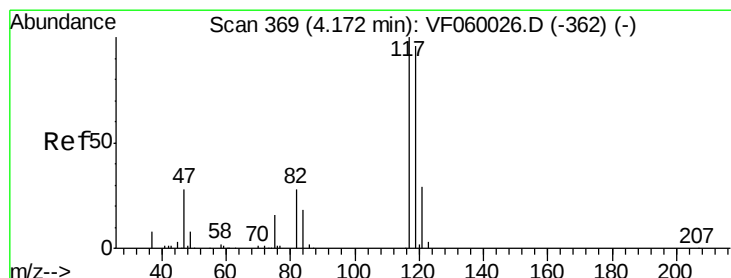
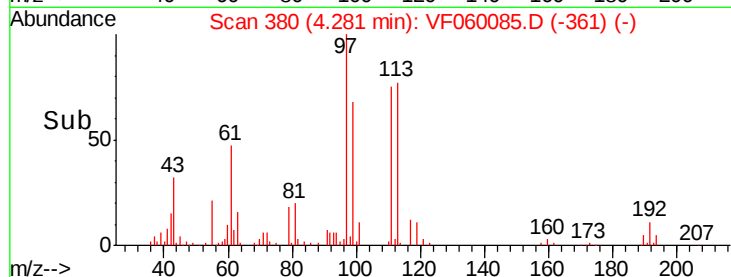
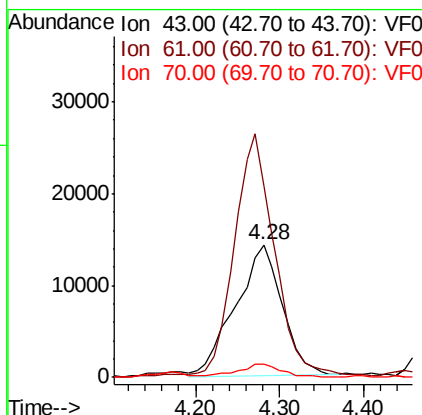
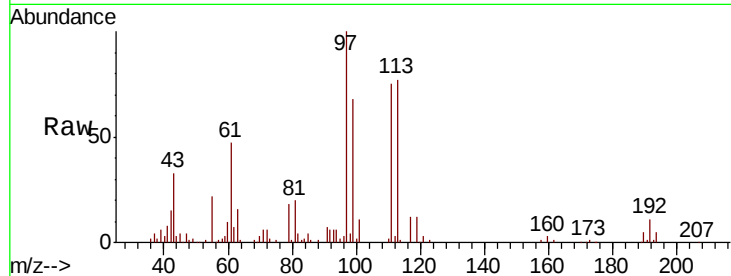
#37
Ethyl Acetate
Concen: 39.62 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	144.8	101.5	152.3
70	9.6	6.4	9.6#

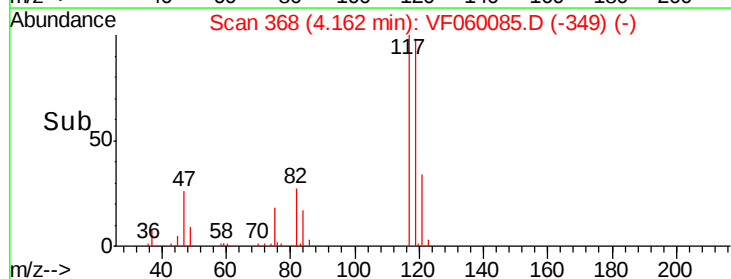
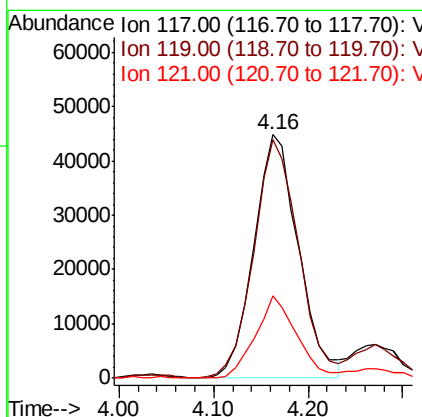
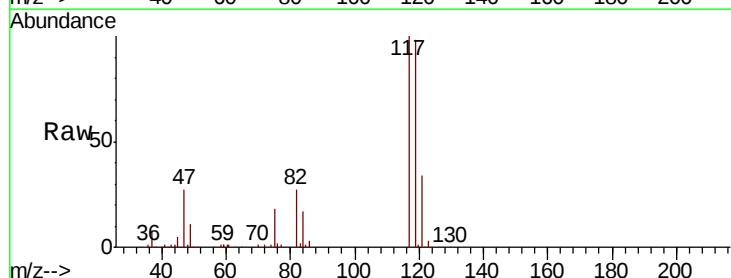
Manual Integrations
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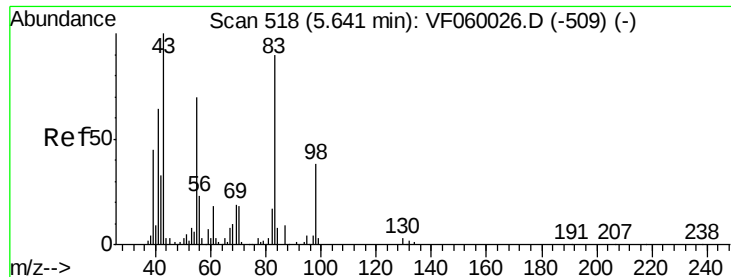
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#38
Carbon Tetrachloride
Concen: 54.45 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.5	114.7
121	33.6	23.0	34.6





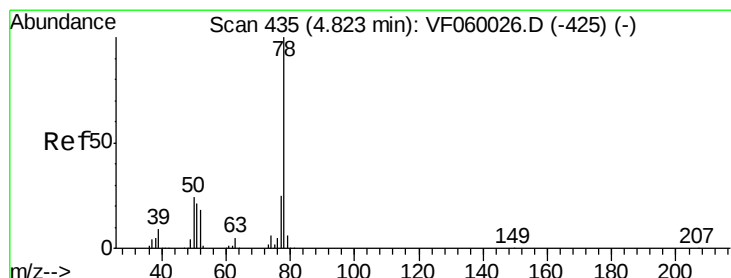
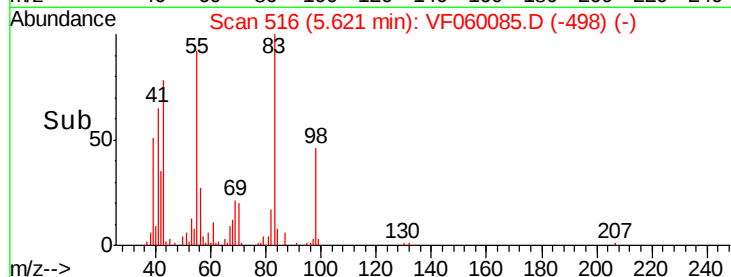
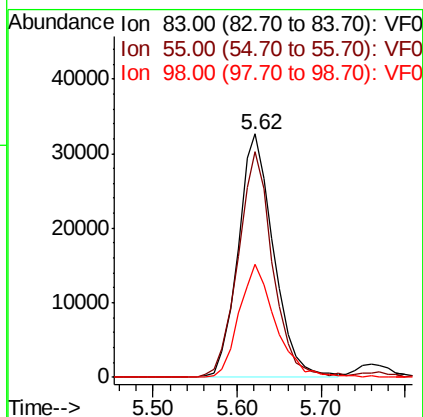
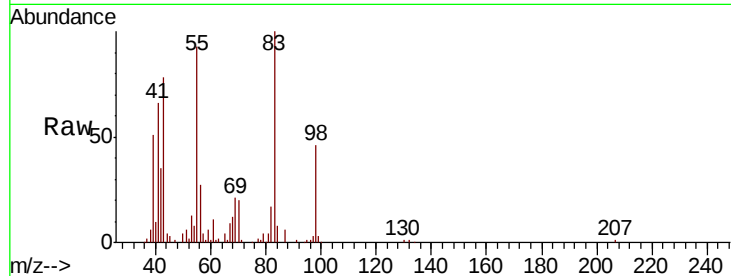
#39
Methvlcvclohexane
Concen: 43.78 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.8	62.7	94.1
98	46.4	33.8	50.8

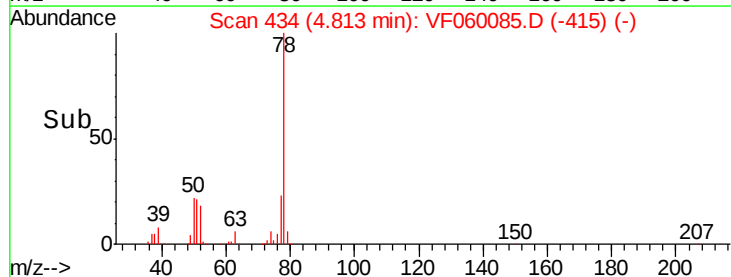
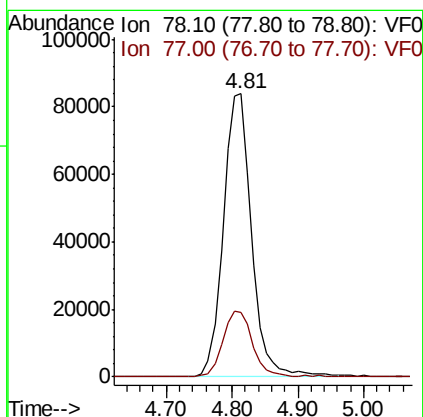
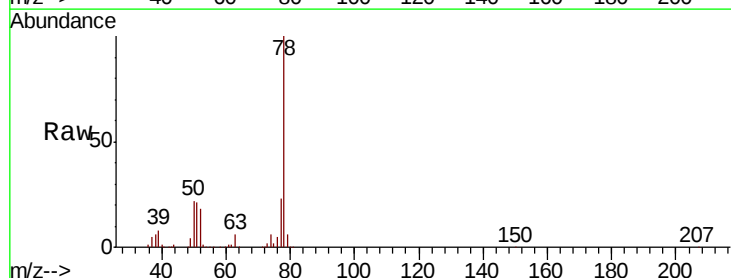
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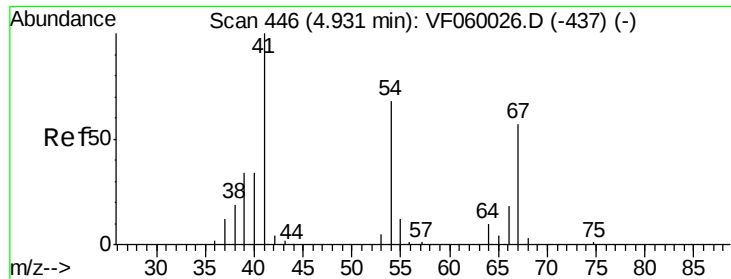
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#40
Benzene
Concen: 49.32 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.8	29.6





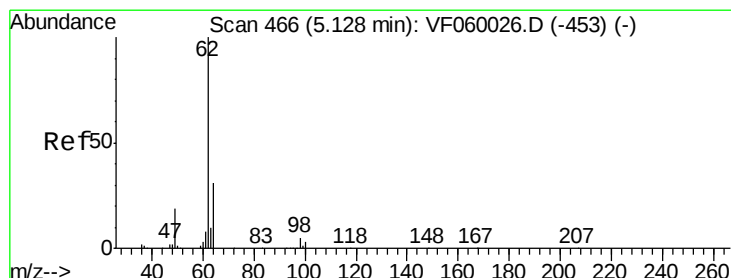
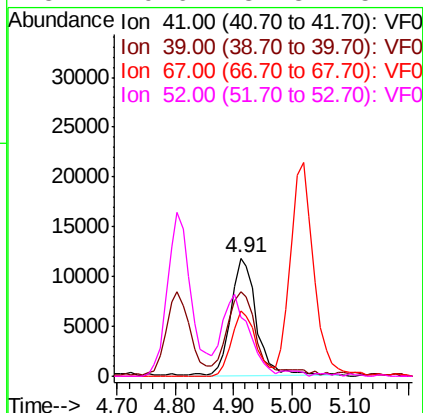
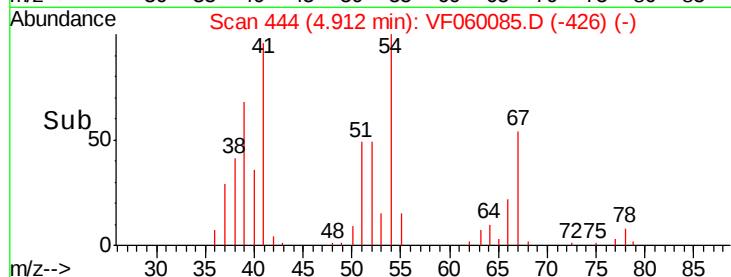
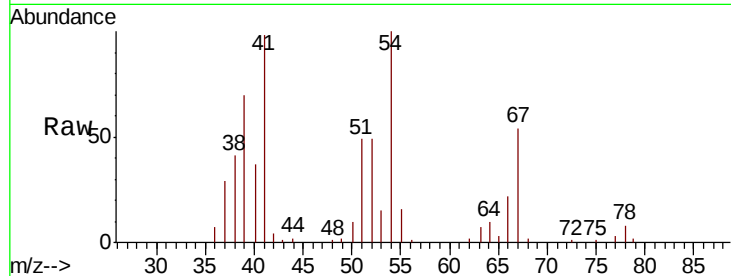
#41
Methacrylonitrile
Concen: 50.89 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	71.3	52.9	79.3		
67	55.2	45.3	67.9		
52	49.6	34.8	52.2		

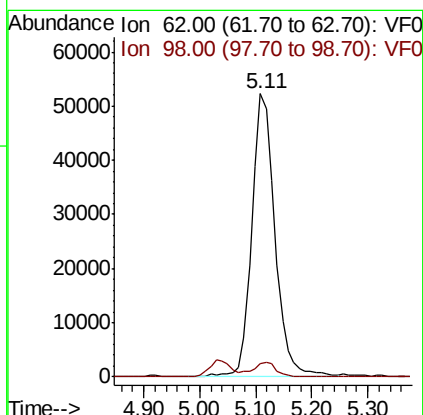
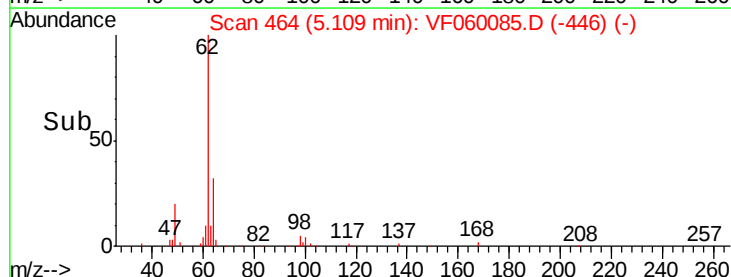
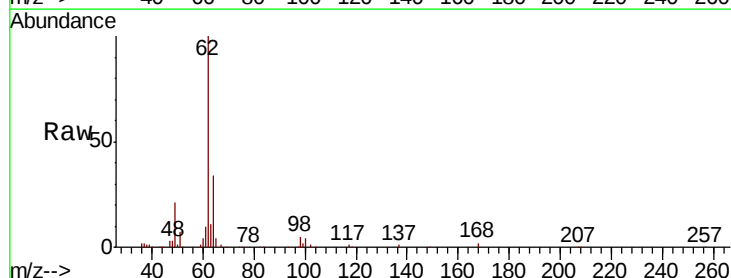
Manual Integrations
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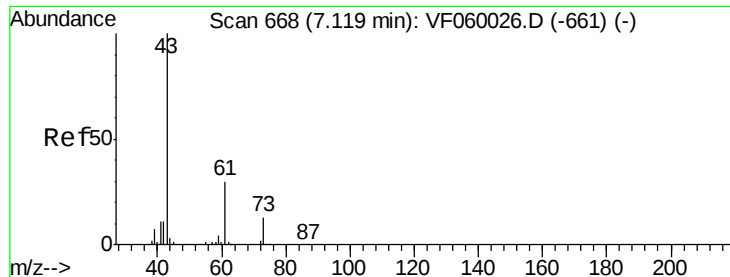
MMDadoda
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#42
1,2-Dichloroethane
Concen: 55.07 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.02 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	4.9	0.0	11.2		





#43

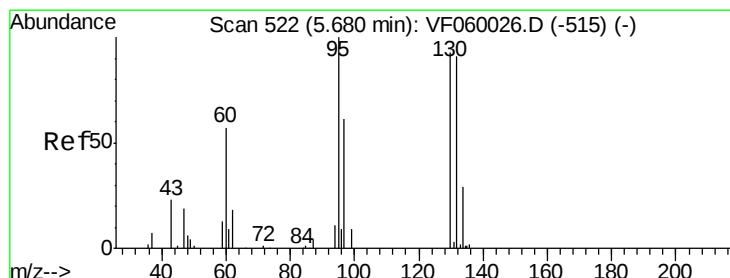
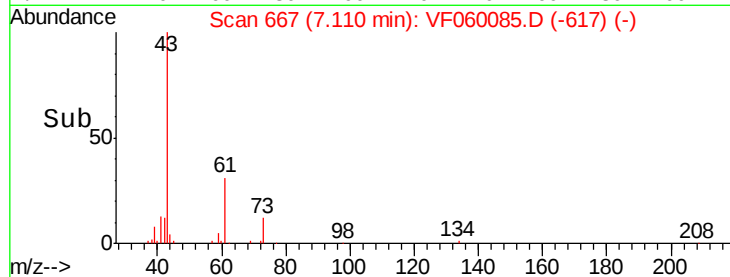
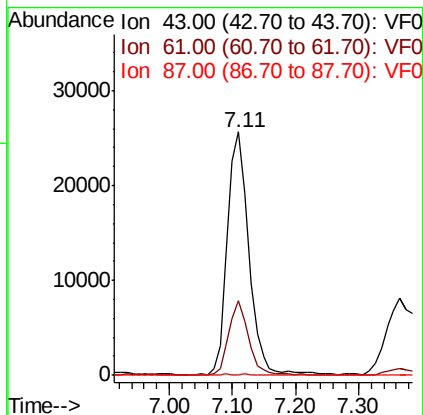
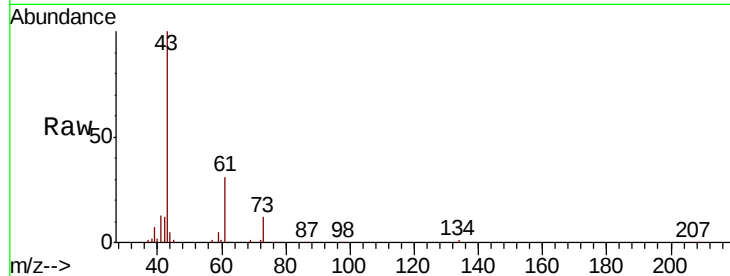
Isopropyl Acetate
 Concen: 34.75 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.8	35.6
87	0.4	0.2	0.4#

Manual Integrations
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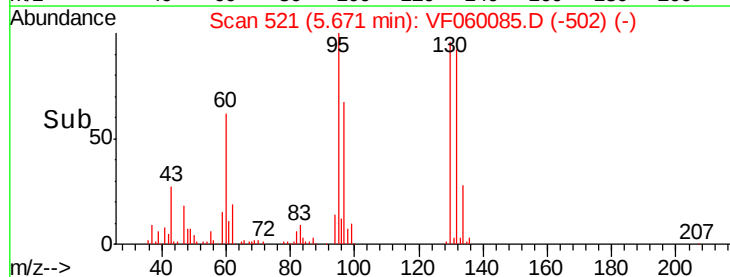
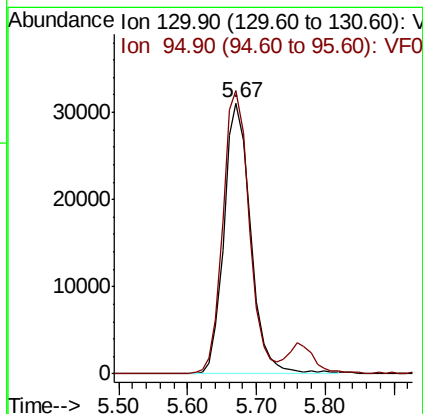
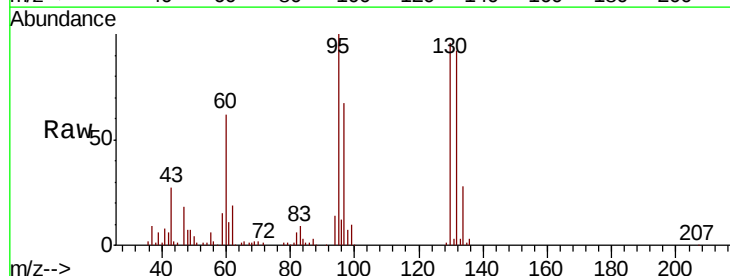
MMDadoda
 8/24/2018 4:13:23 PM



#44

Trichloroethene
 Concen: 49.69 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	215.8





#45

1,2-Dichloropropane

Concen: 55.11 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion: 63 Resp: 79473

Ion Ratio Lower Upper

63 100

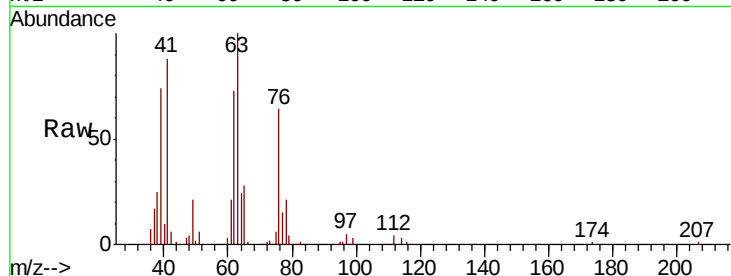
65 28.3 23.8 35.6

Manual Integrations

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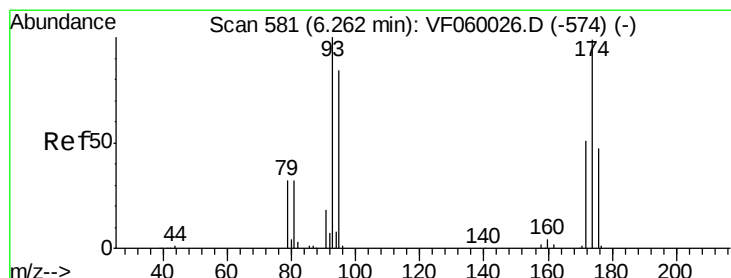
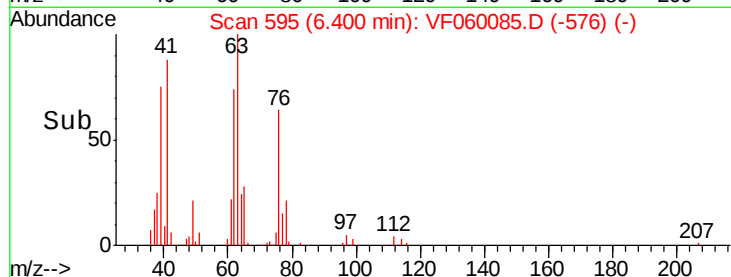
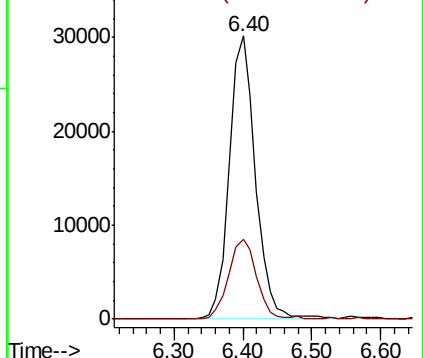
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 58.66 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

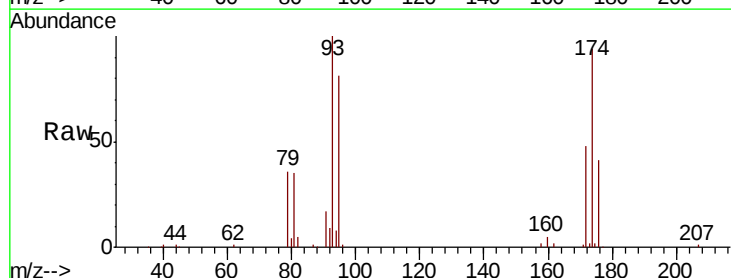
Tgt Ion: 93 Resp: 66187

Ion Ratio Lower Upper

93 100

95 80.7 67.1 100.7

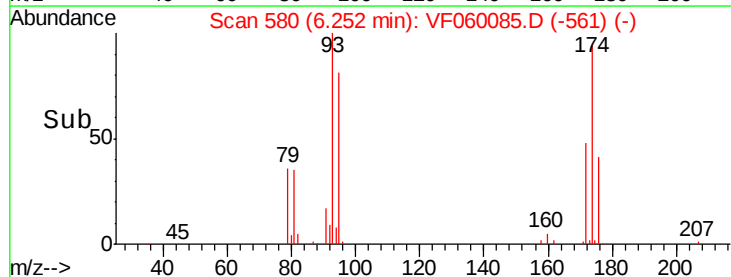
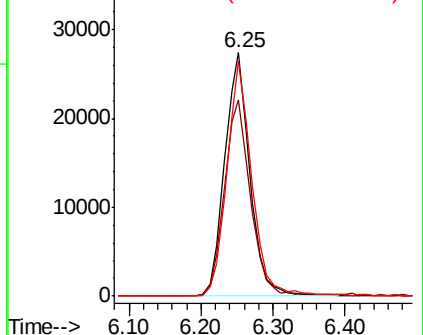
174 96.5 79.0 118.4

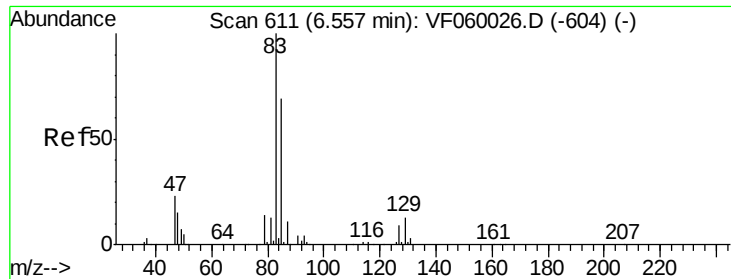


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 56.49 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

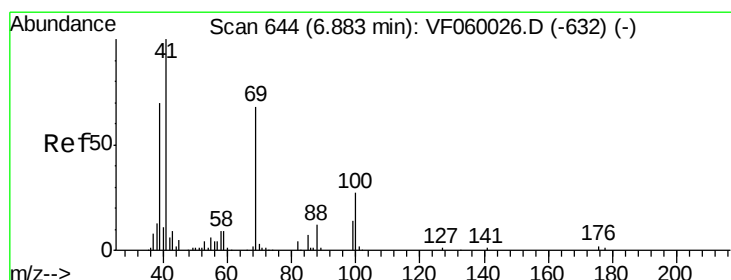
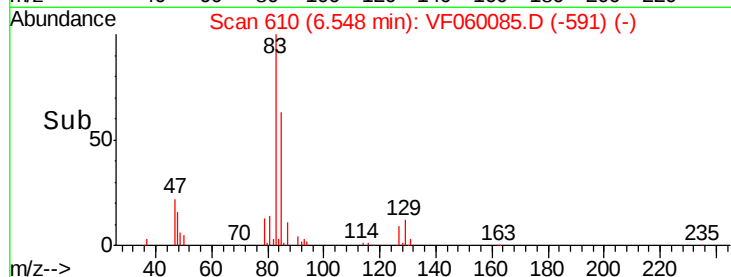
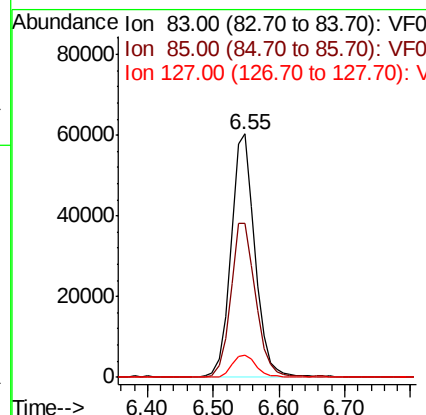
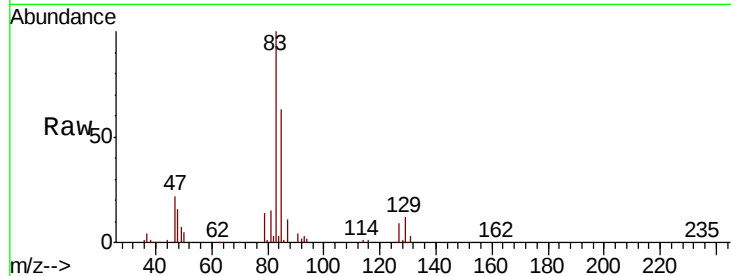
ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:	83	Resp:	153962
Ion Ratio	Lower	Upper	
83	100		
85	63.4	55.2	82.8
127	9.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 61.97 ug/l

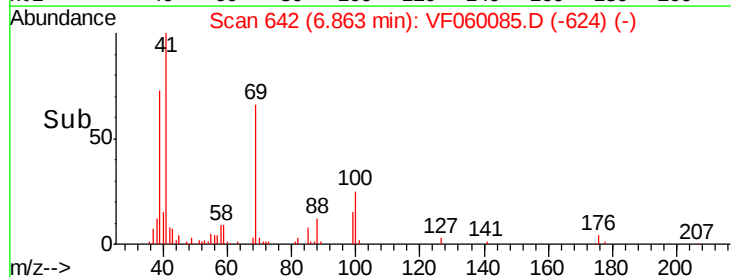
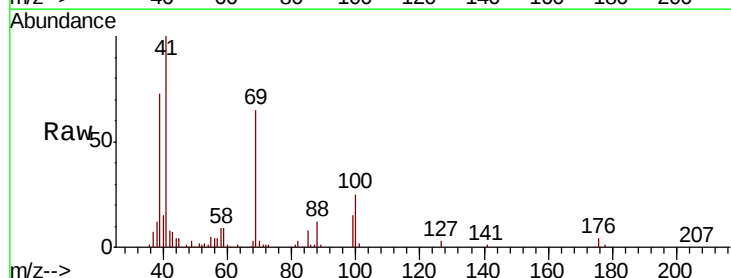
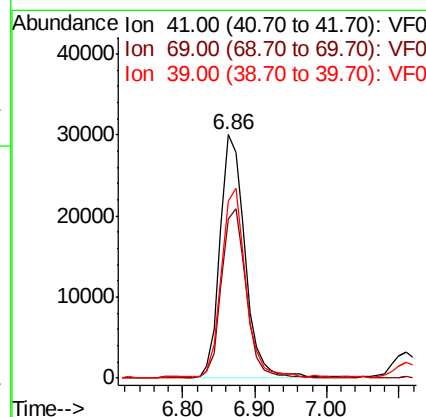
RT: 6.86 min Scan# 642

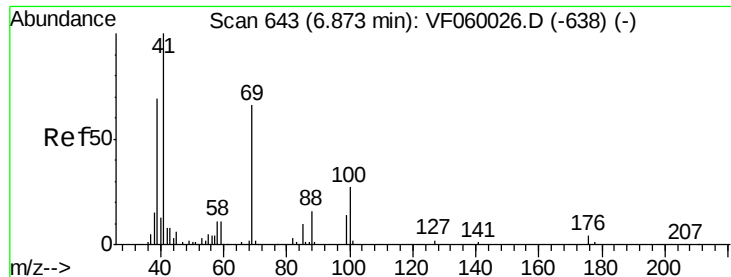
Delta R.T. -0.02 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion:	41	Resp:	72036
Ion Ratio	Lower	Upper	
41	100		
69	65.1	54.6	81.8
39	72.8	56.5	84.7





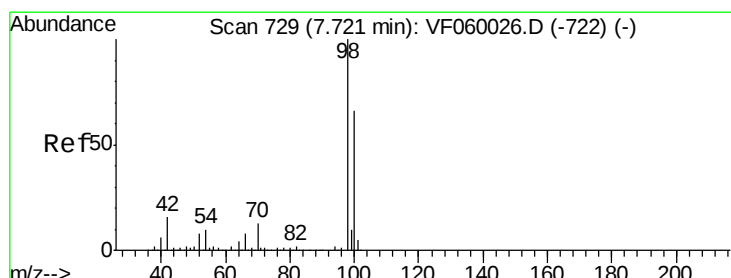
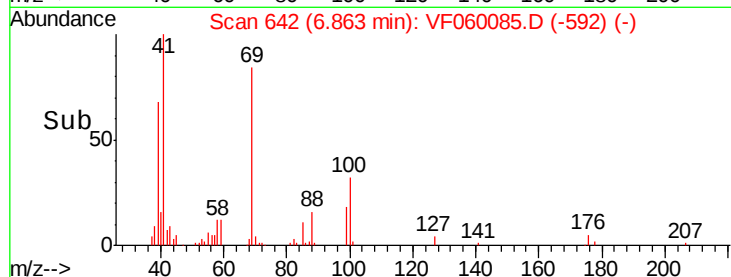
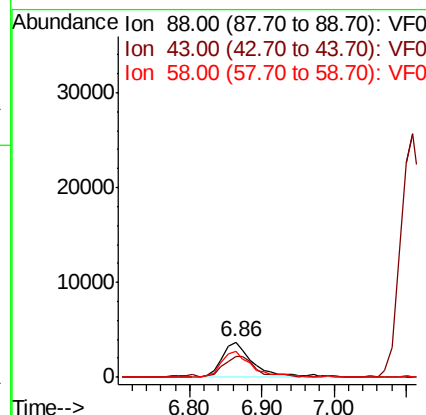
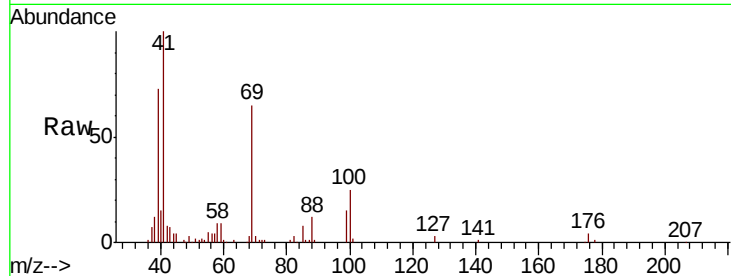
#49
1,4-Dioxane
Concen: 993.92 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.4	46.5	69.7
58	72.8	54.8	82.2

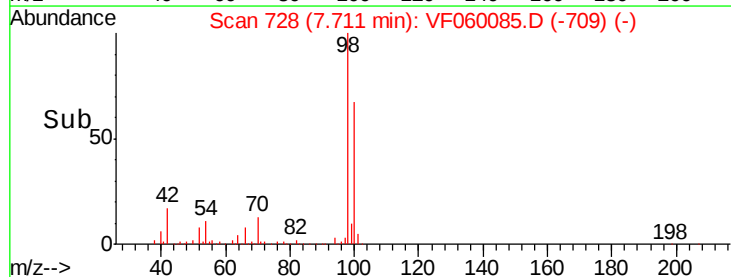
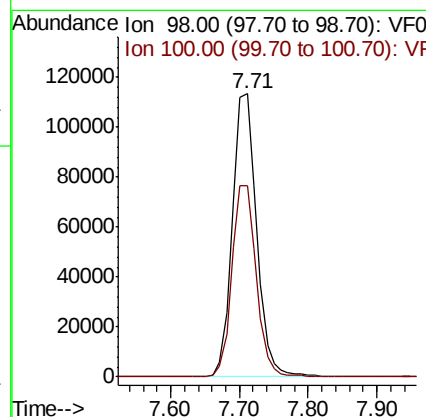
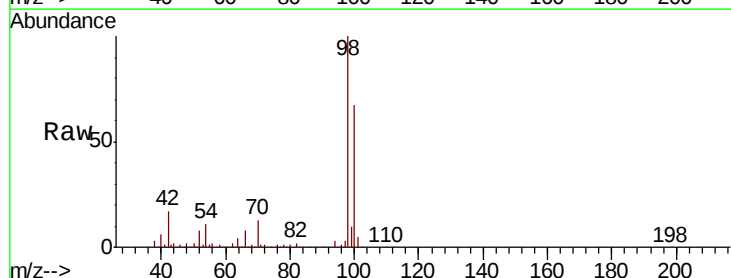
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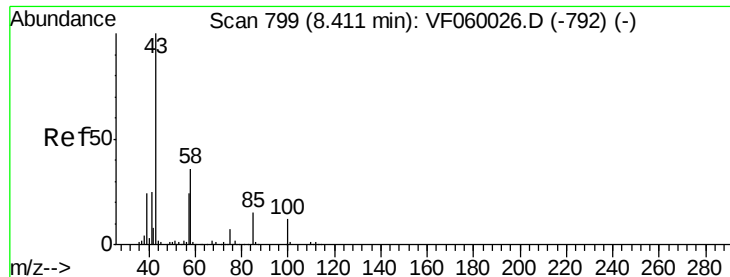
MMDadoda
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#50
Toluene-d8
Concen: 50.11 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 287.31 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion: 43 Resp: 435839

Ion Ratio Lower Upper

43 100

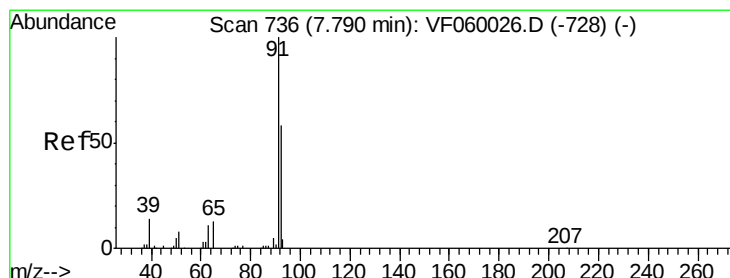
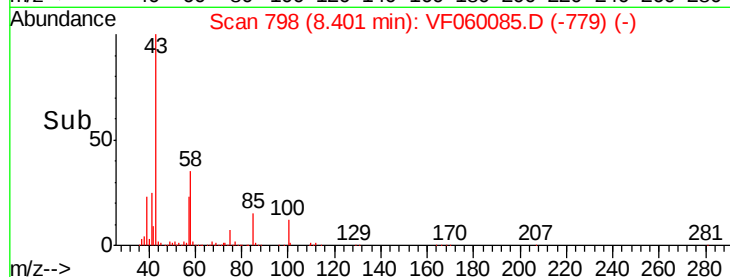
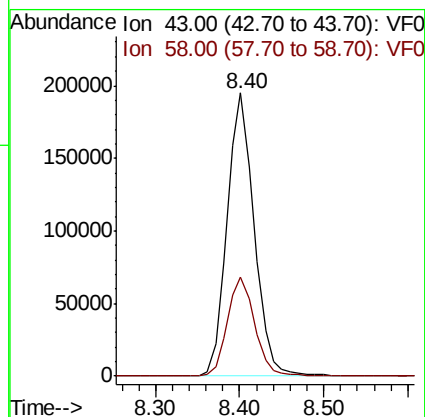
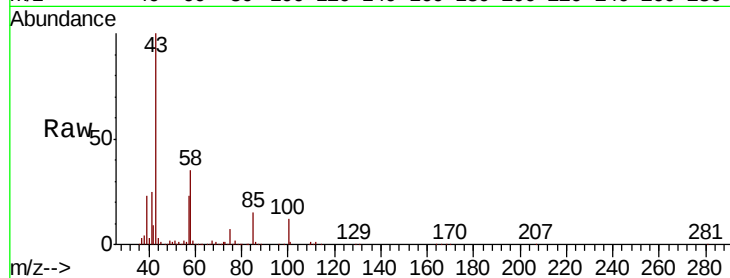
58 35.1 28.6 42.8

Manual Integrations

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#52

Toluene

Concen: 56.64 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060085.D

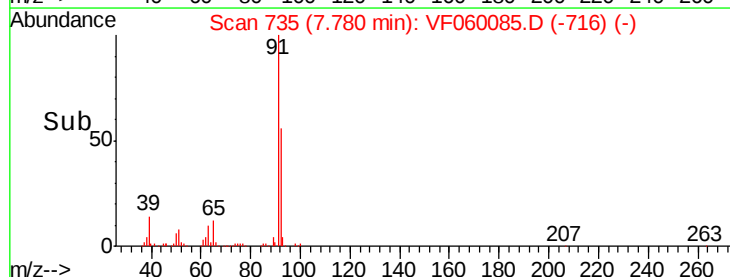
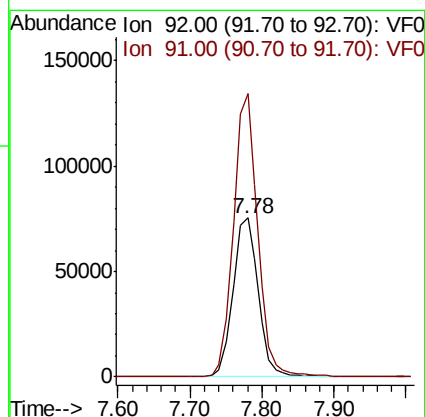
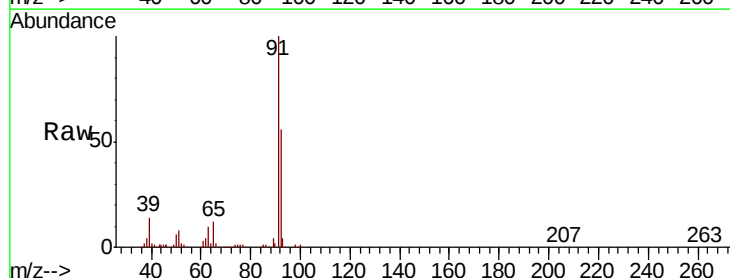
Acq: 24 Aug 2018 7:48

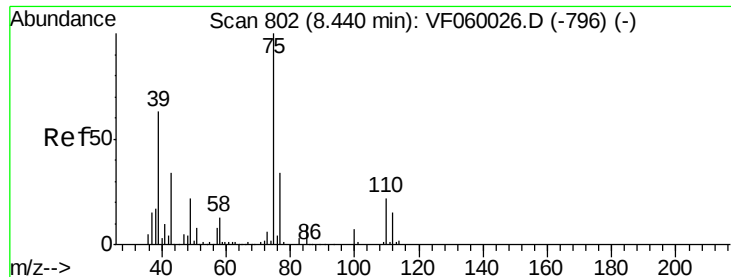
Tgt Ion: 92 Resp: 183609

Ion Ratio Lower Upper

92 100

91 178.1 137.7 206.5





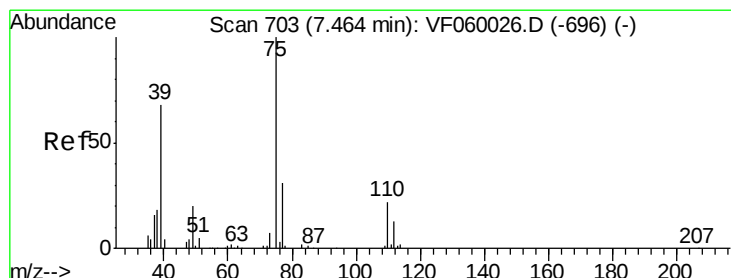
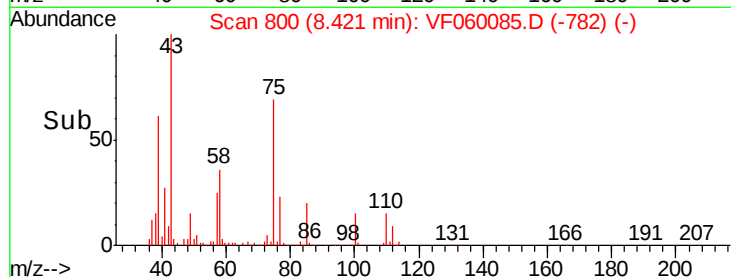
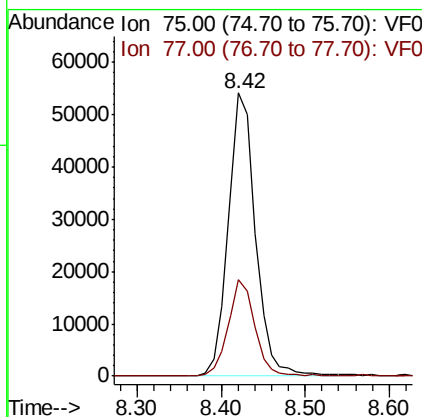
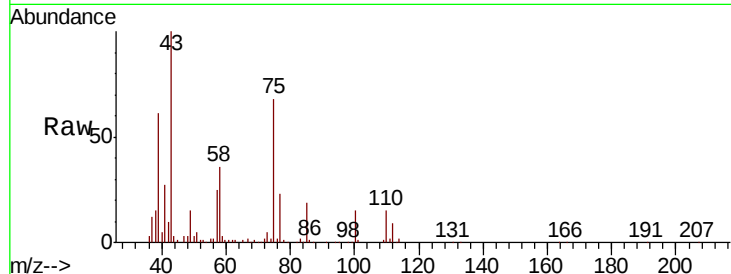
#53
t-1,3-Dichloropropene
Concen: 49.33 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.02 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.2	27.4	41.2

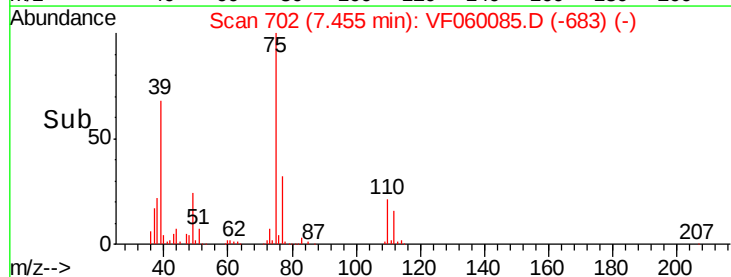
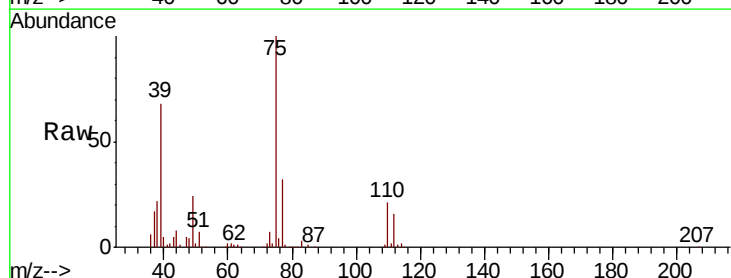
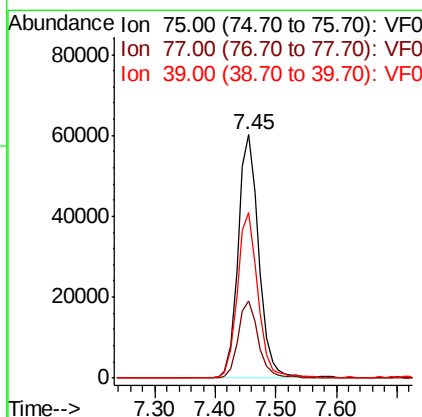
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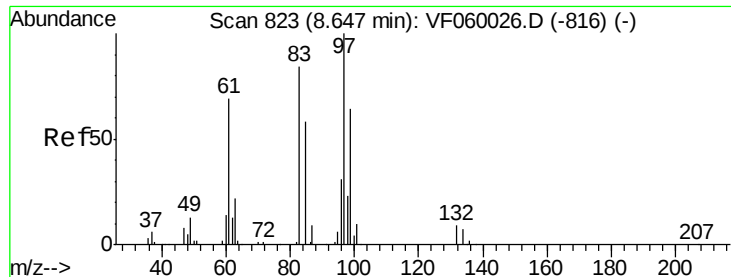
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.73 ug/l
RT: 7.45 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	37.0
39	68.2	54.6	81.8





#55

1,1,2-Trichloroethane

Concen: 60.16 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

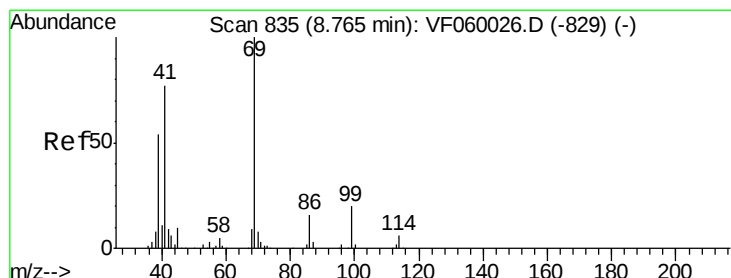
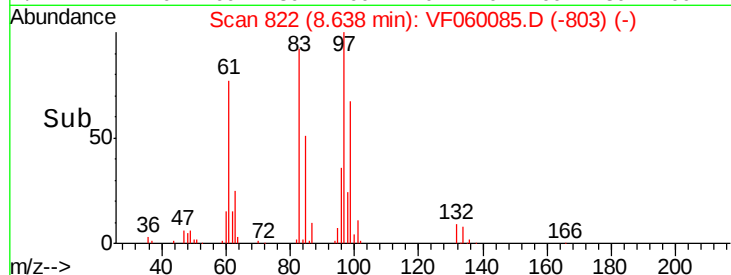
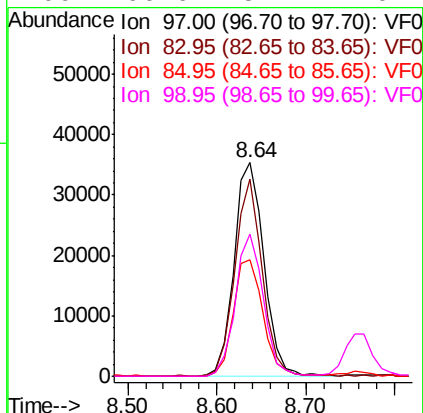
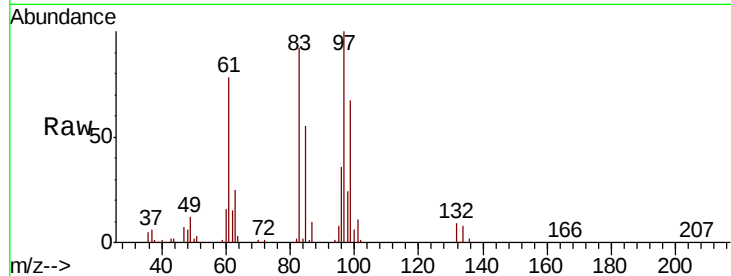
ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:	97	Resp:	82752
Ion	Ratio	Lower	Upper
97	100		
83	92.1	67.4	101.2
85	54.7	46.2	69.2
99	66.6	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 45.01 ug/l

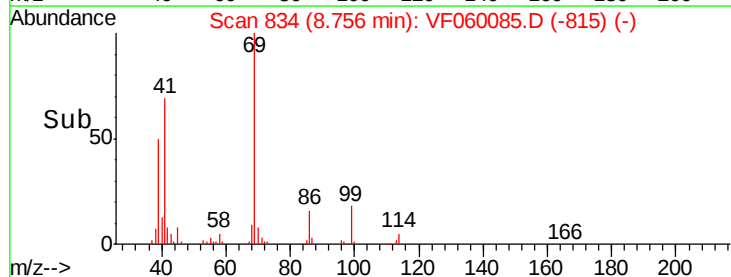
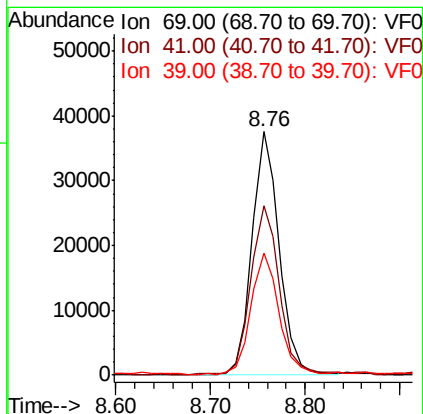
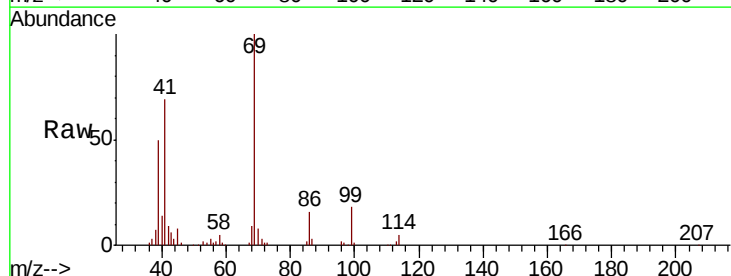
RT: 8.76 min Scan# 834

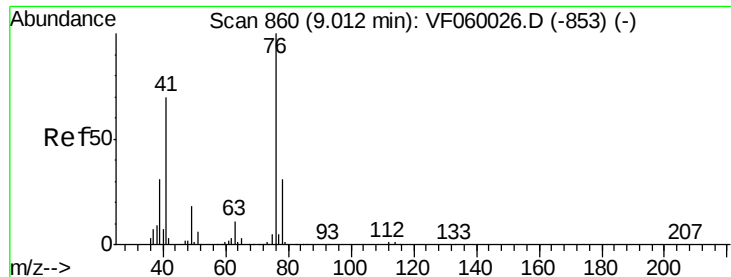
Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion:	69	Resp:	74947
Ion	Ratio	Lower	Upper
69	100		
41	69.5	61.6	92.4
39	50.2	43.9	65.9





#57

1,3-Dichloropropane

Concen: 57.40 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion: 76 Resp: 138768

Ion Ratio Lower Upper

76 100

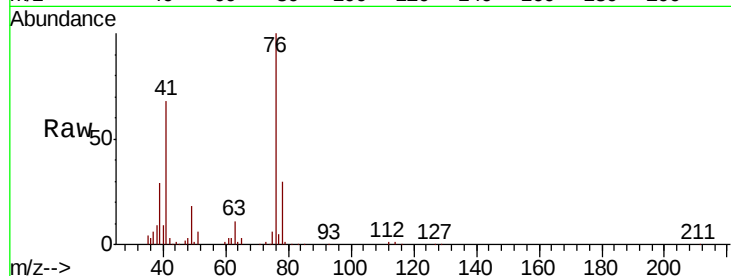
78 29.6 25.2 37.8

Manual Integrations

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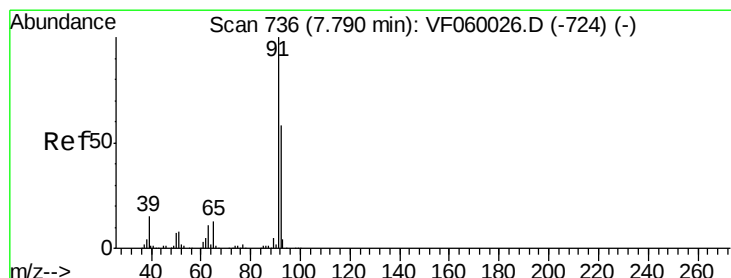
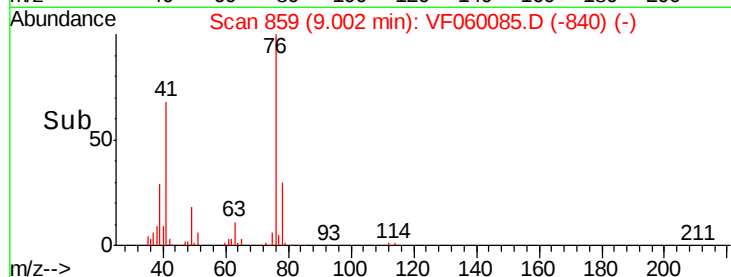
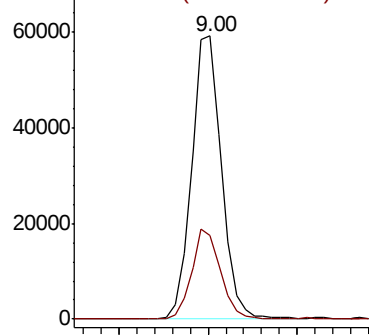
MMDadoda

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 258.50 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060085.D

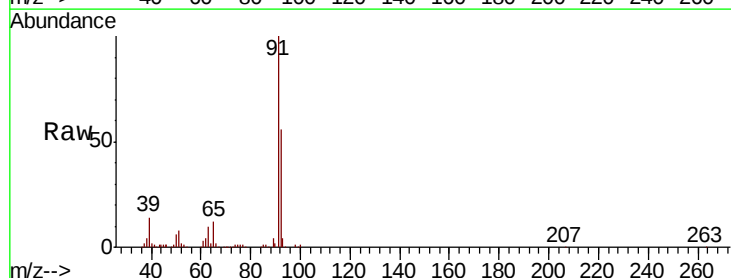
Acq: 24 Aug 2018 7:48

Tgt Ion: 63 Resp: 34164

Ion Ratio Lower Upper

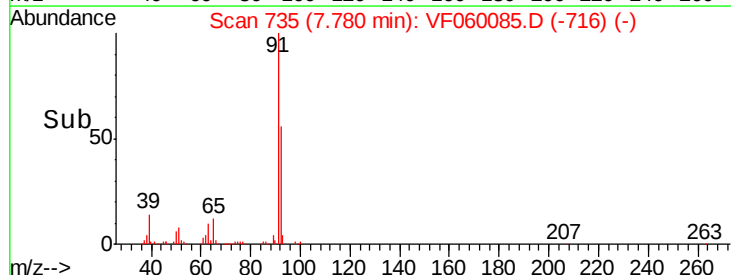
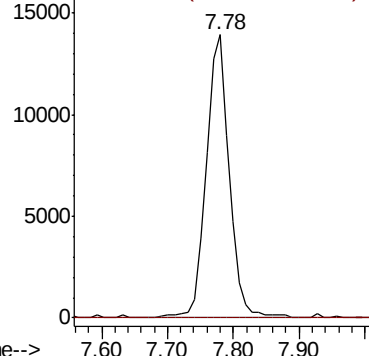
63 100

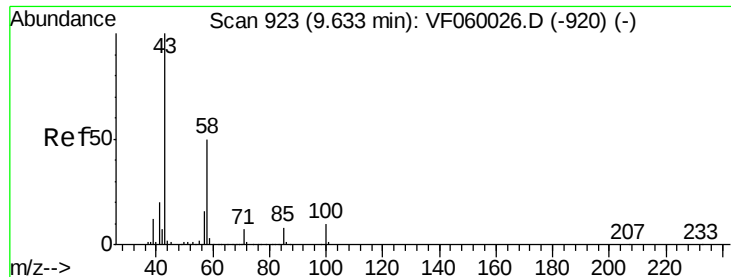
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





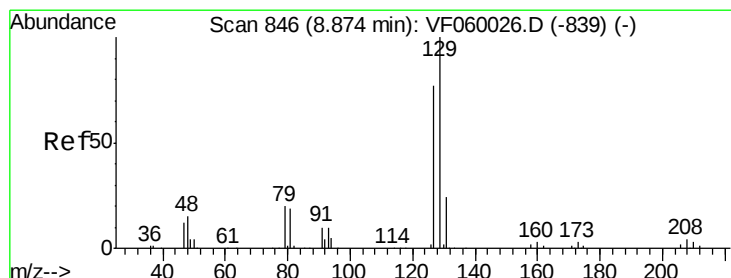
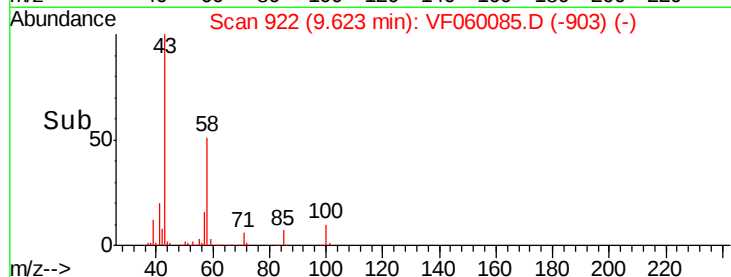
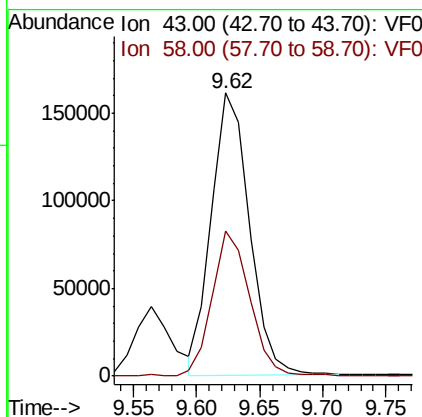
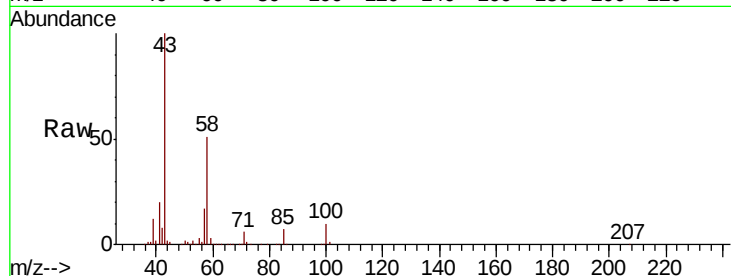
#59
2-Hexanone
Concen: 275.90 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	23.4	70.2

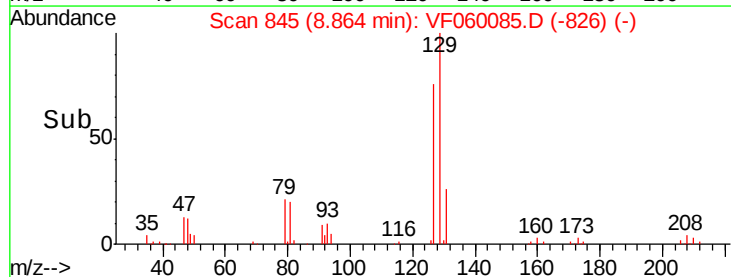
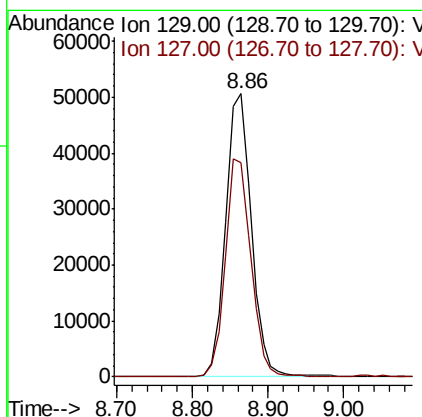
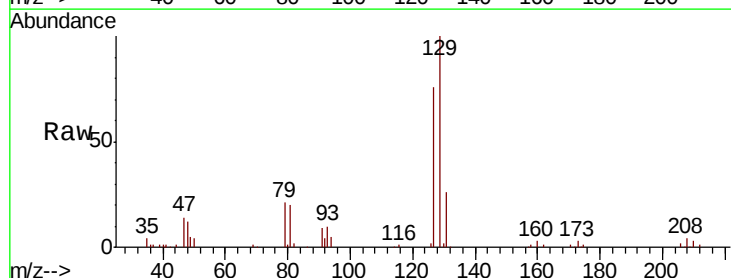
Manual Integrations
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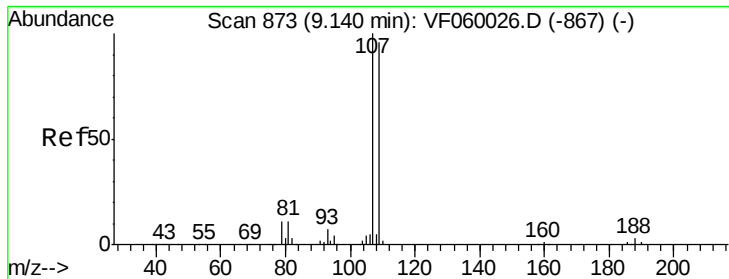
MMDadoda
8/24/2018 4:13:23 PM



#60
Dibromochloromethane
Concen: 58.58 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	38.6	115.8





#61

1,2-Dibromoethane

Concen: 59.02 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:107 Resp: 95348

Ion Ratio Lower Upper

107 100

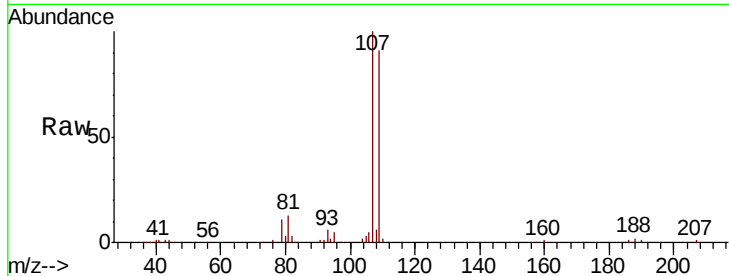
109 91.3 76.5 114.7

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.13

40000

30000

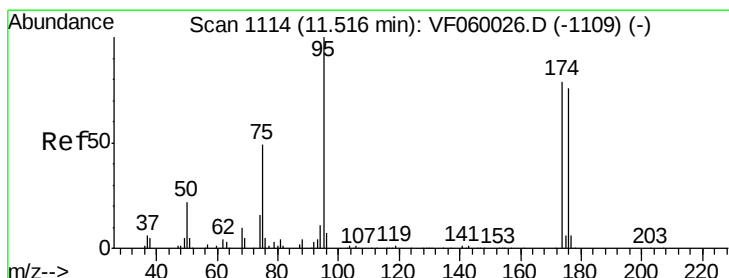
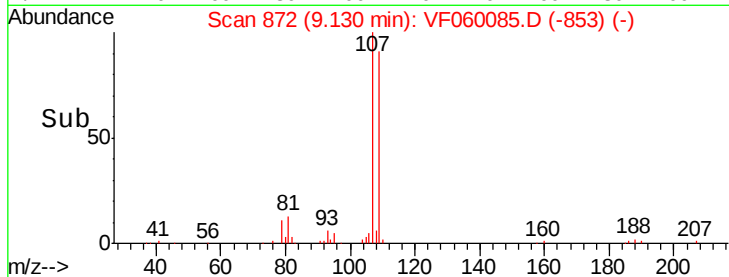
20000

10000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 52.37 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

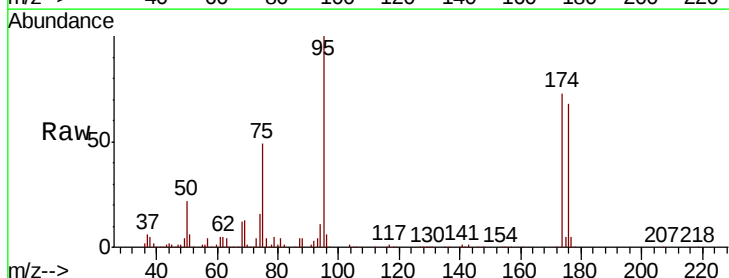
Tgt Ion: 95 Resp: 153433

Ion Ratio Lower Upper

95 100

174 73.0 0.0 158.4

176 68.5 0.0 153.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

120000

100000

80000

60000

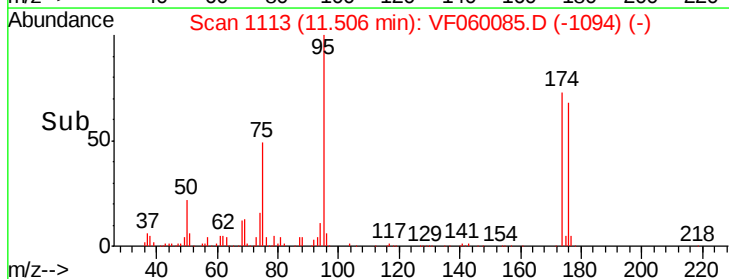
40000

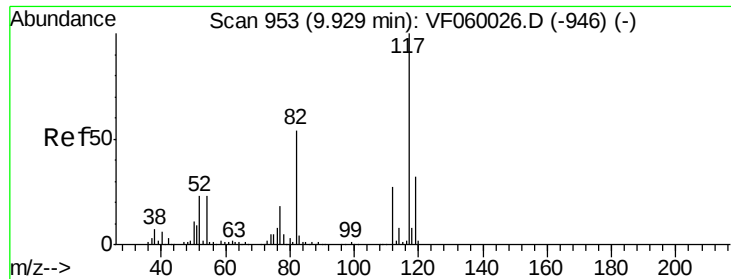
20000

0

Time-->

11.40 11.50 11.60





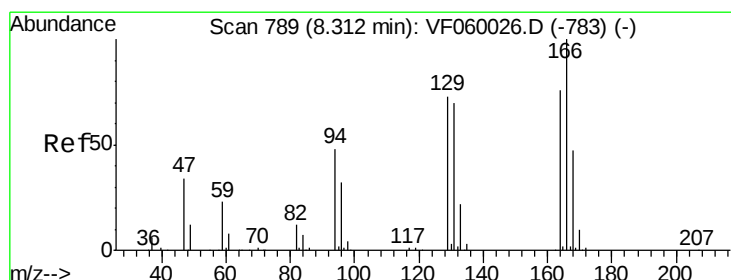
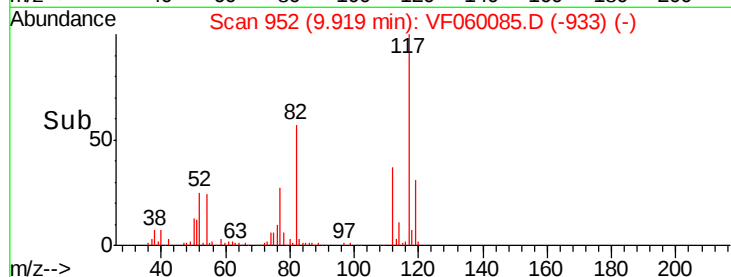
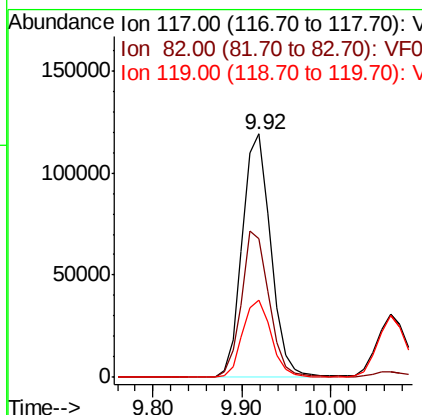
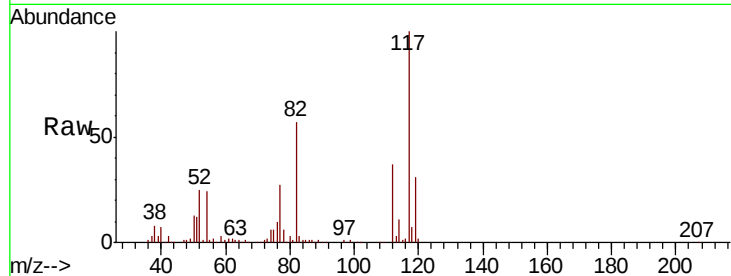
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	264404		
82	56.9		43.6	65.4
119	31.5		25.6	38.4

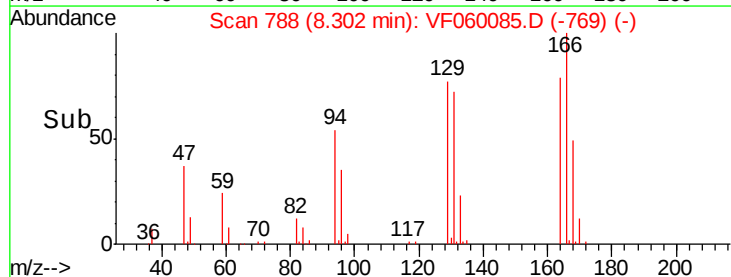
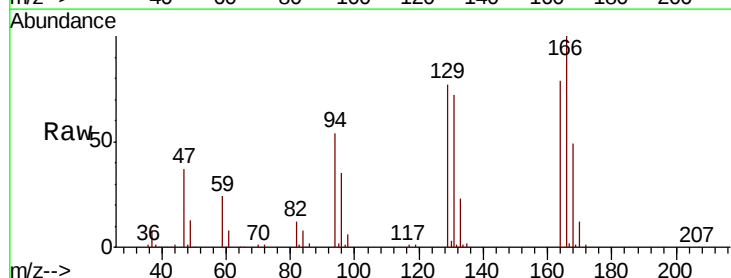
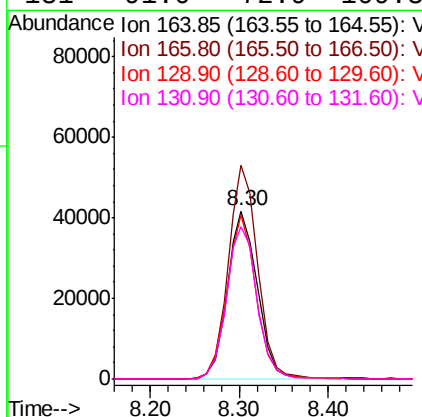
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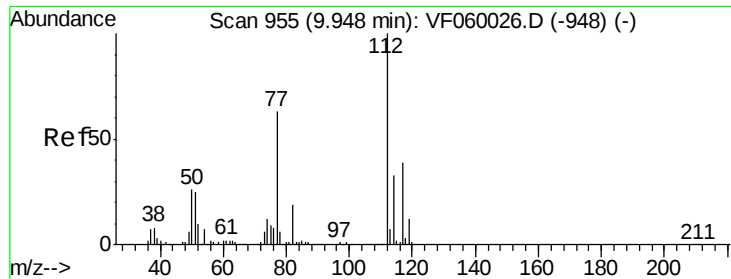
MMDadoda
8/24/2018 4:13:23 PM



#64
Tetrachloroethene
Concen: 54.94 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97848		
166	127.1		104.7	157.1
129	97.4		77.0	115.4
131	91.0		72.9	109.3





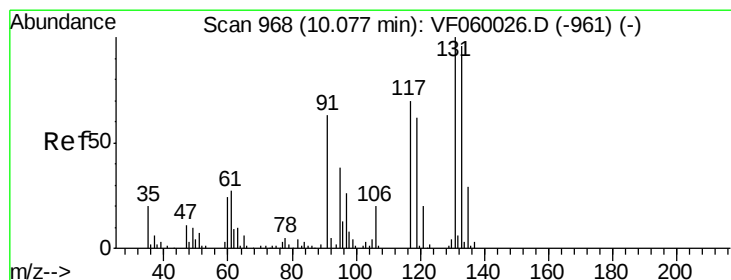
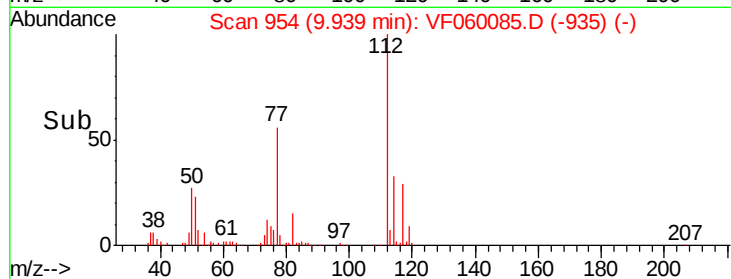
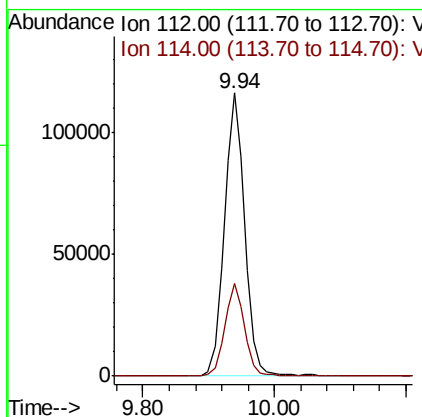
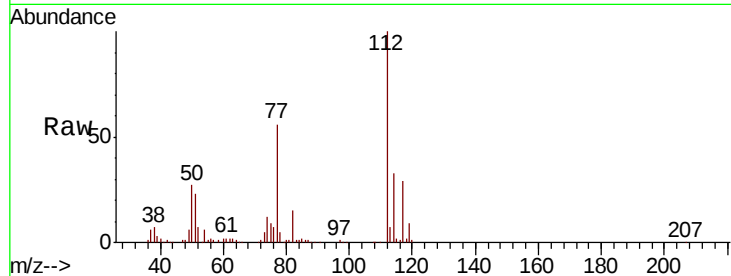
#65
Chlorobenzene
Concen: 50.36 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	251422		
114	32.7	26.2	39.2	

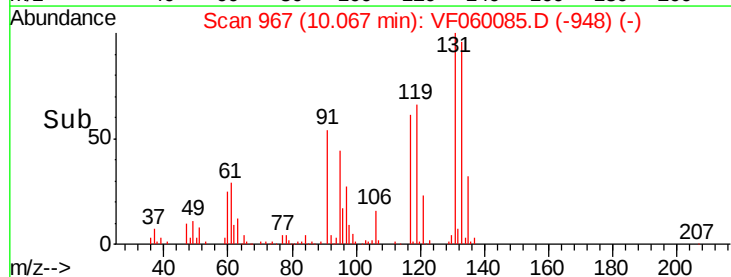
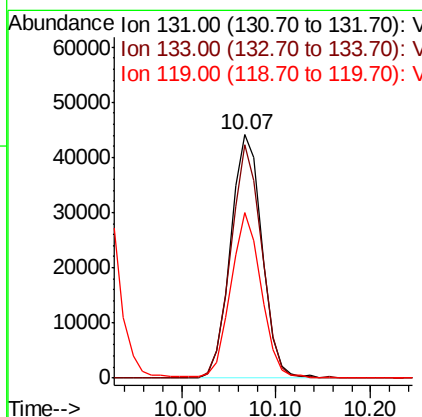
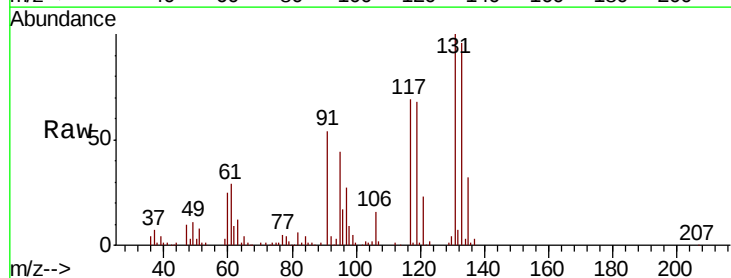
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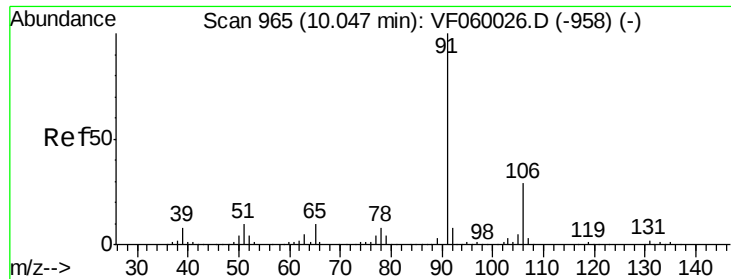
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.43 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	101186		
133	96.0	48.2	144.6	
119	68.1	31.4	94.2	





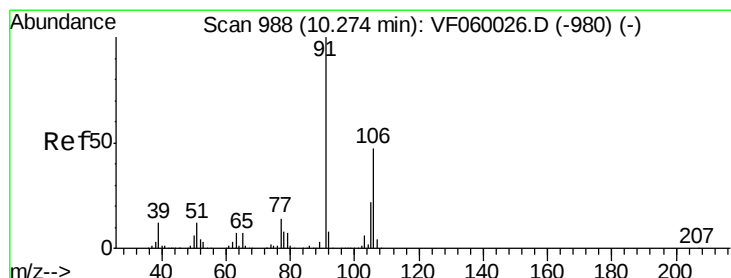
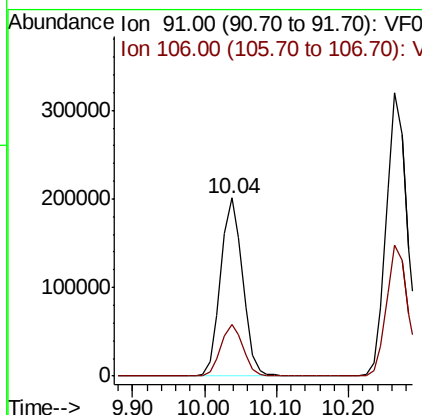
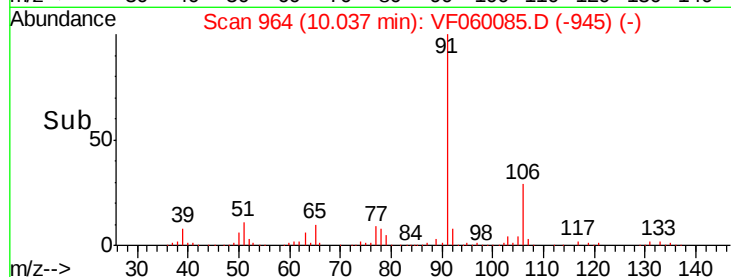
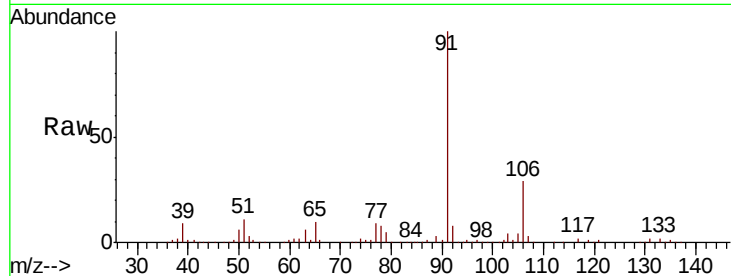
#67
Ethyl Benzene
Concen: 49.70 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion: 91 Resp: 428123
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4

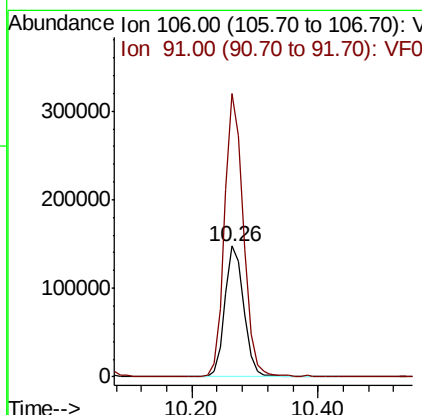
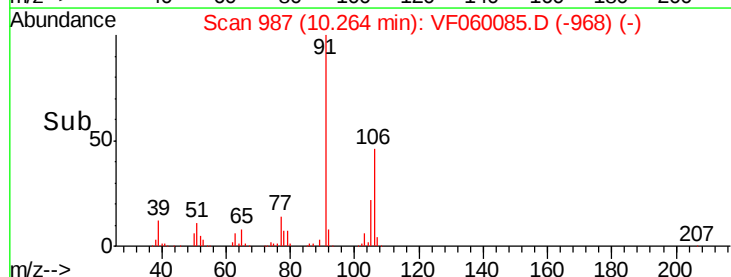
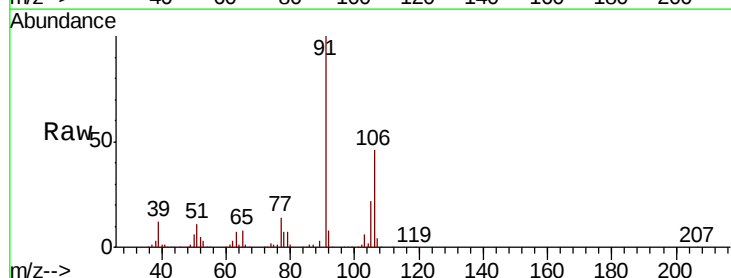
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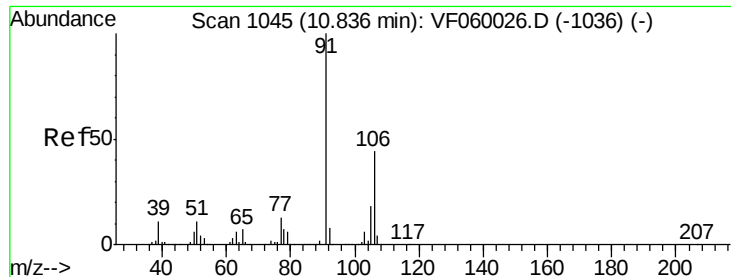
MMDadoda
8/24/2018 4:13:23 PM



#68
m/p-Xylenes
Concen: 110.90 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion:106 Resp: 308785
Ion Ratio Lower Upper
106 100
91 216.5 171.8 257.8





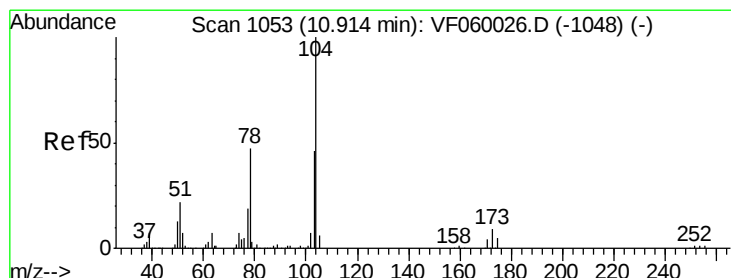
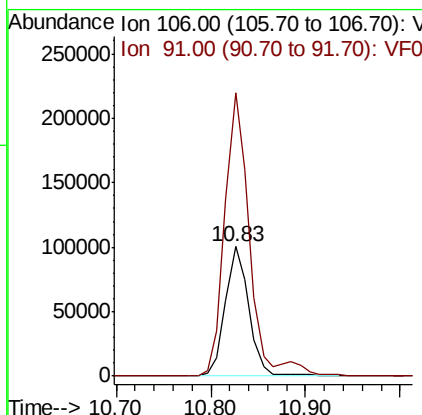
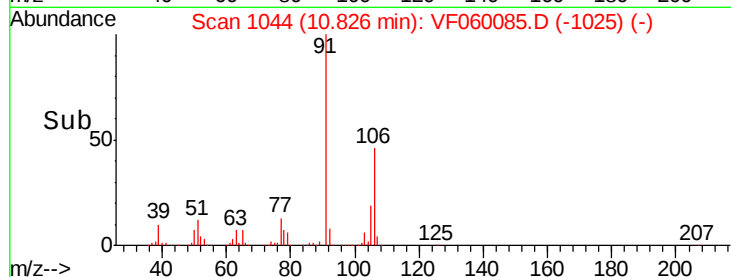
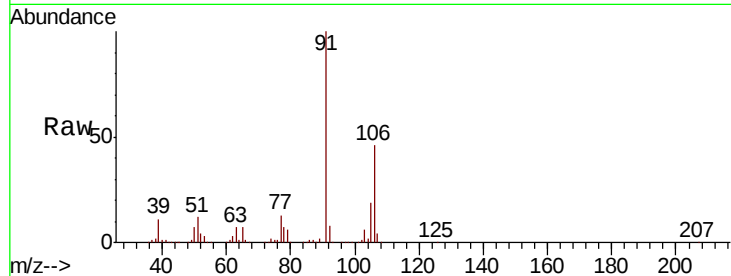
#69
o-Xylene
Concen: 51.58 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.4	112.5	337.5	

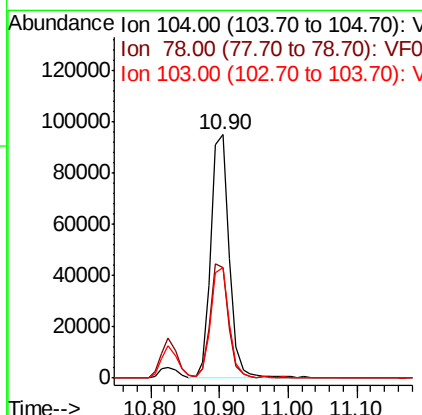
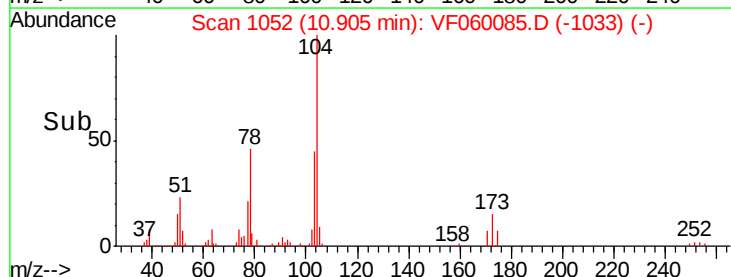
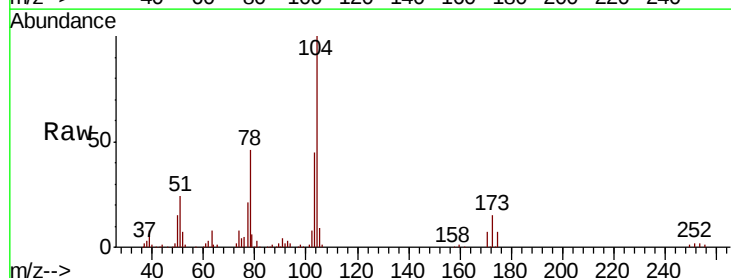
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#70
Styrene
Concen: 34.15 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.6	38.0	57.0	
103	45.3	37.6	56.4	





#71

Bromoform

Concen: 56.72 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:173 Resp: 74934

Ion Ratio Lower Upper

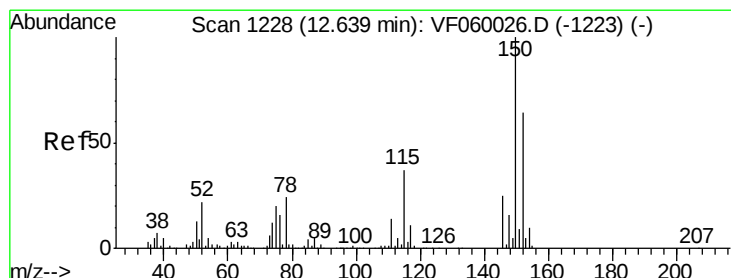
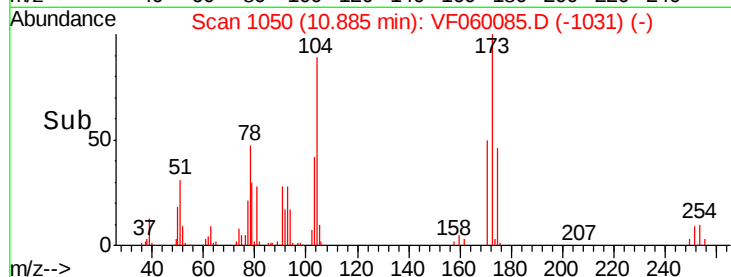
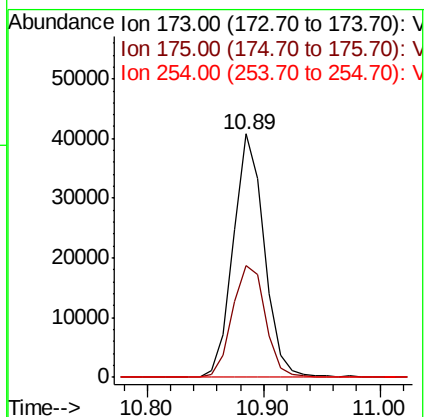
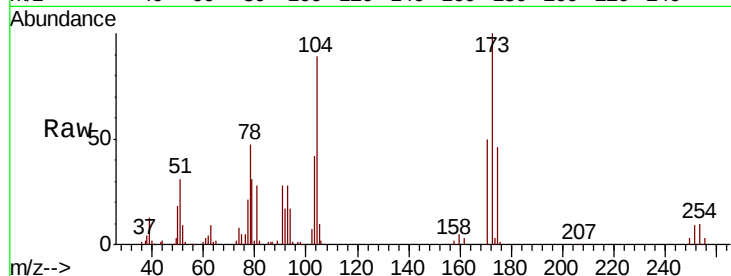
173 100

175 46.8 24.7 74.1

254 0.0 0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

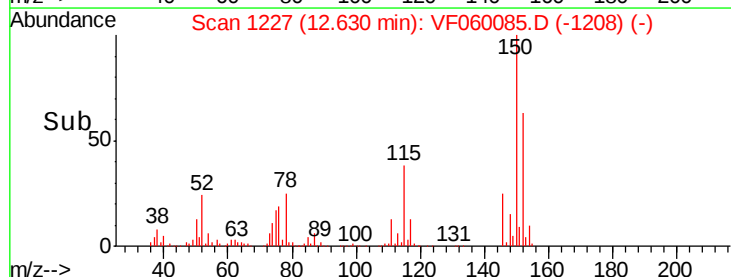
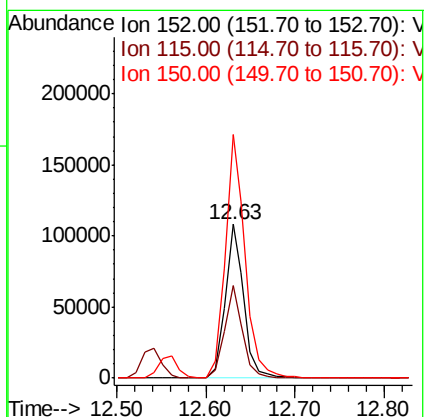
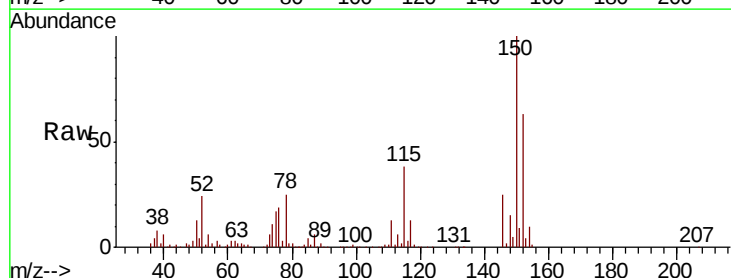
Tgt Ion:152 Resp: 158324

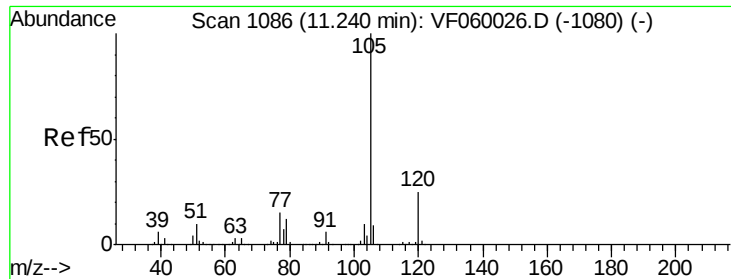
Ion Ratio Lower Upper

152 100

115 59.9 28.6 85.9

150 158.1 0.0 312.0





#73

Isopropylbenzene

Concen: 52.08 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:105 Resp: 496327

Ion Ratio Lower Upper

105 100

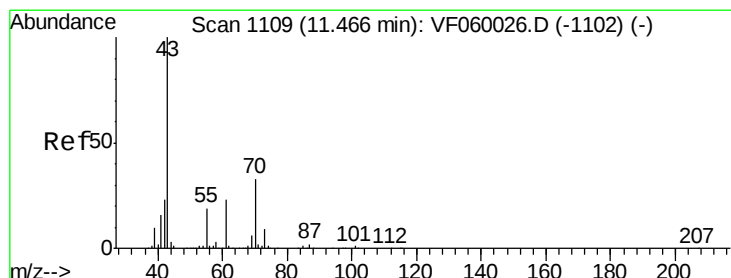
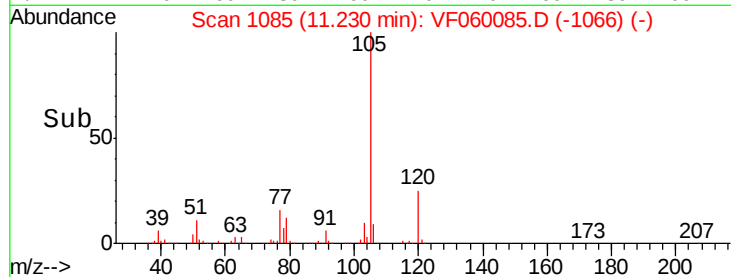
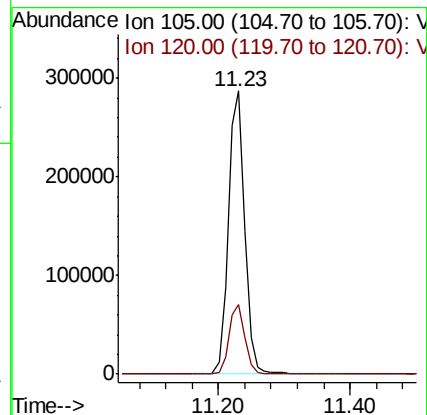
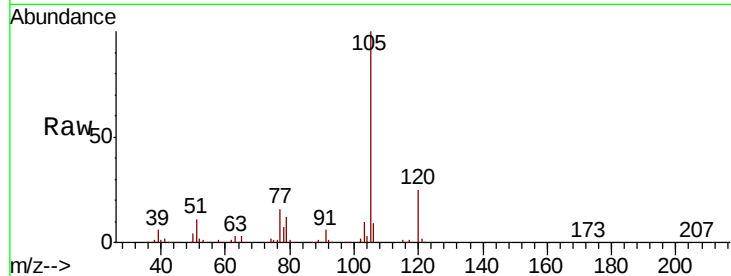
120 24.6 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 32.90 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion: 43 Resp: 97448

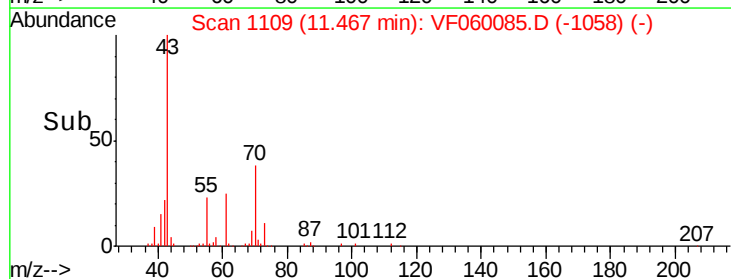
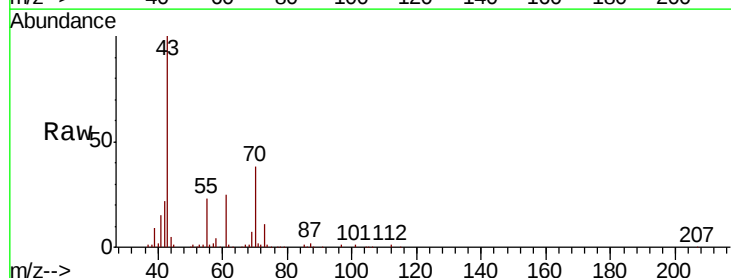
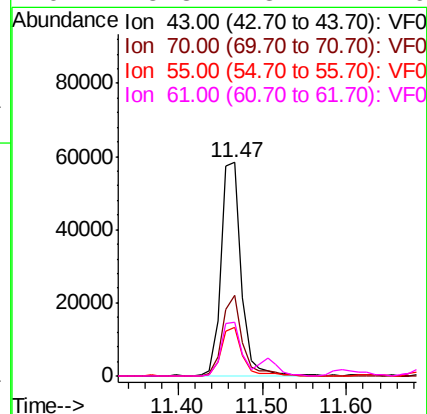
Ion Ratio Lower Upper

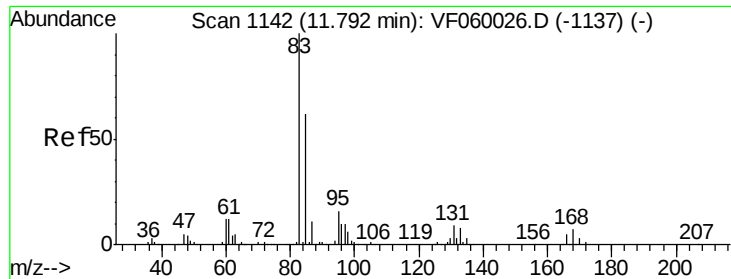
43 100

70 37.6 26.4 39.6

55 23.0 15.0 22.4#

61 25.3 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 61.44 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

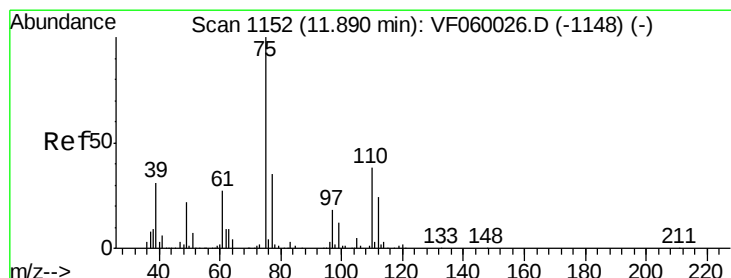
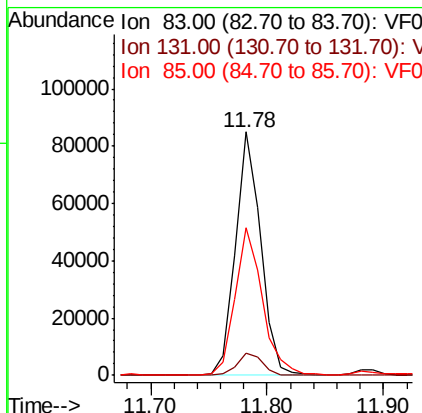
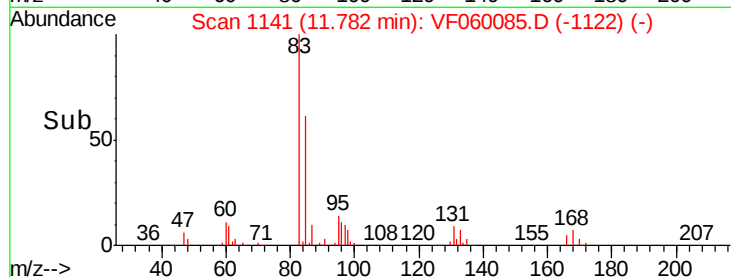
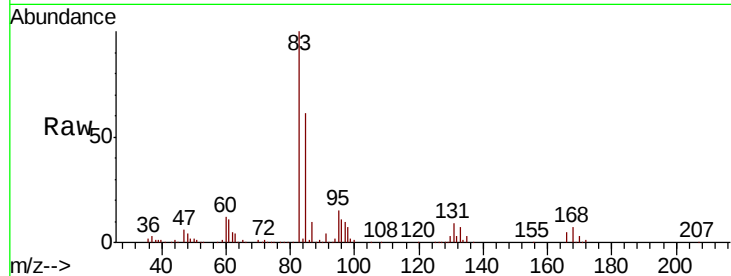
ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:	83	Resp:	127875
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.7
85	60.6	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 59.11 ug/l

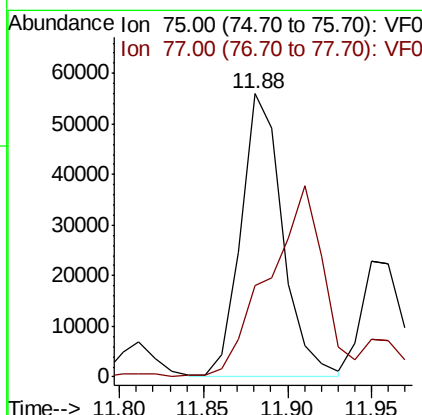
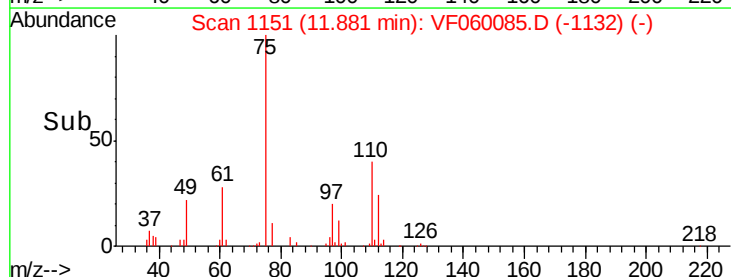
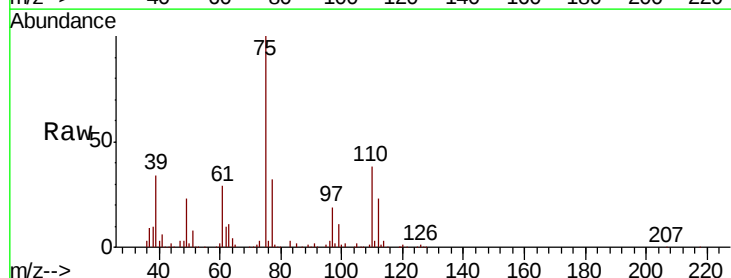
RT: 11.88 min Scan# 1151

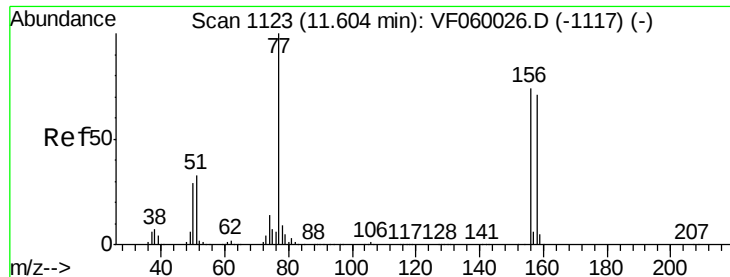
Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Tgt Ion:	75	Resp:	95404
Ion Ratio	Lower	Upper	
75	100		
77	32.3	17.3	52.0





#77

Bromobenzene

Concen: 50.39 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

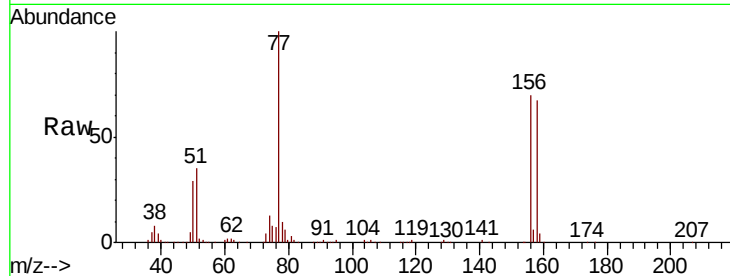
ClientSampleId :

EP1-Q3-C2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		130590		
77	142.7		68.0	204.0	
158	95.1		48.4	145.3	

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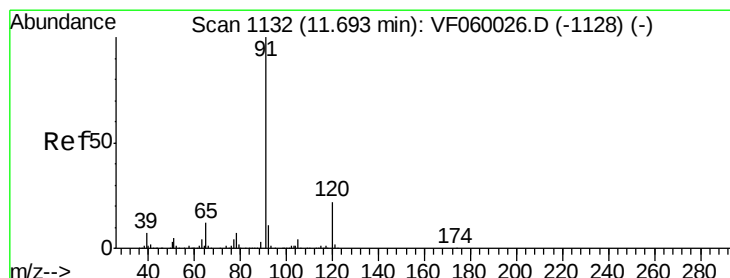
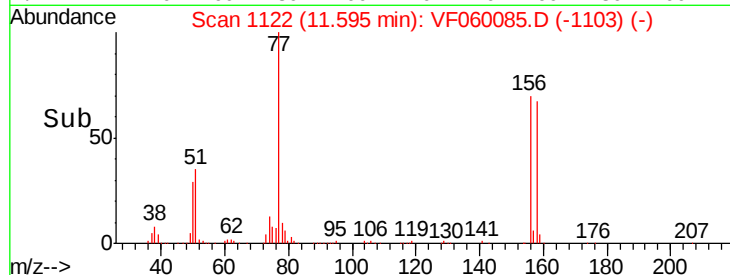
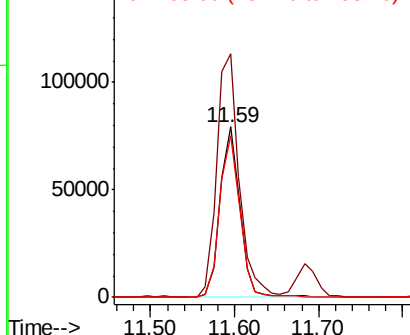


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.61 ug/l

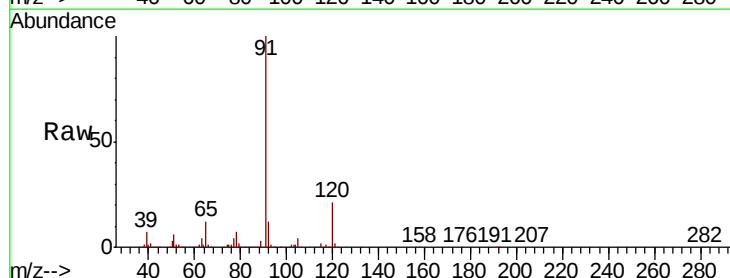
RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

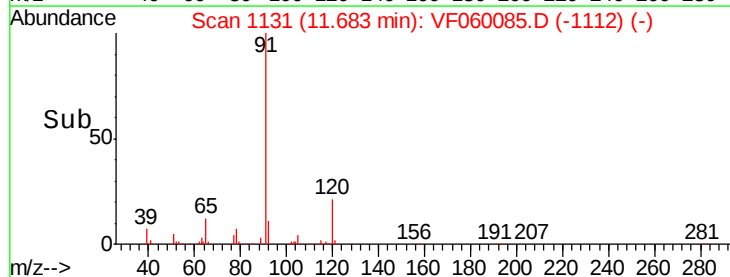
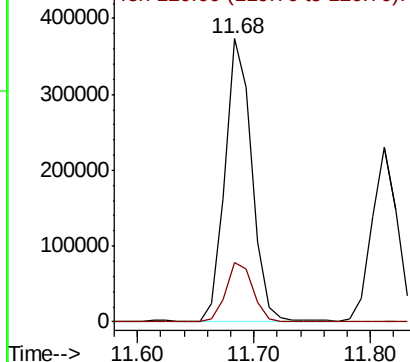
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		595331		
120	21.0		10.9	32.7	

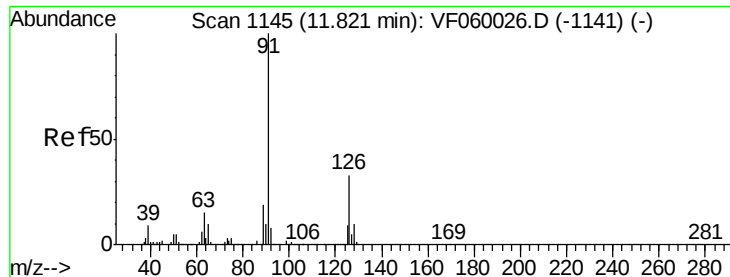


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





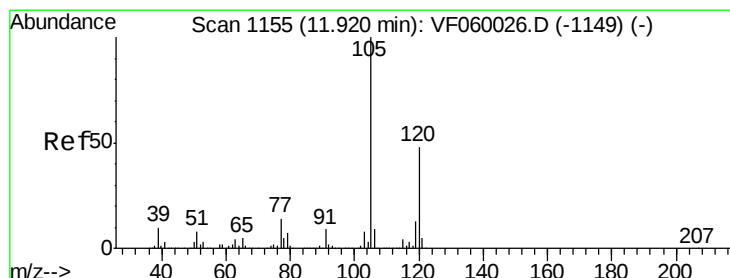
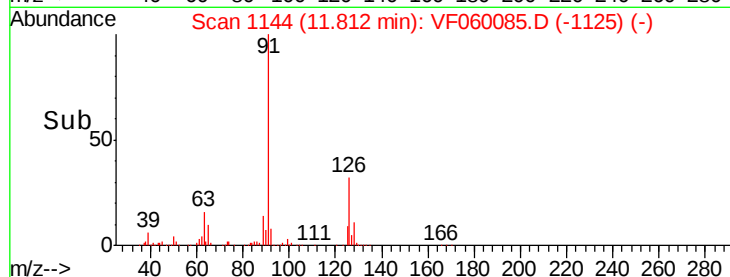
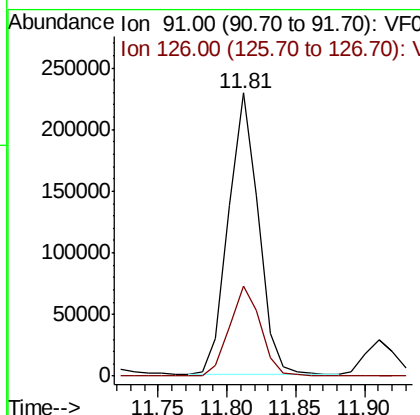
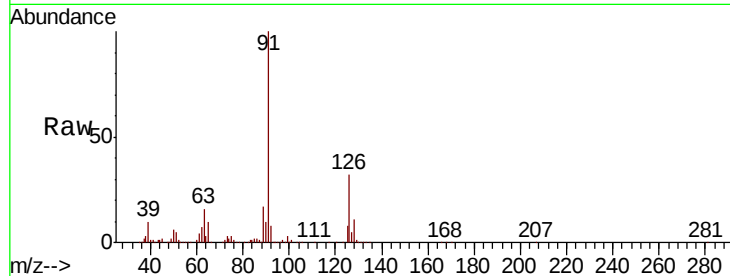
#79
 2-Chlorotoluene
 Concen: 50.14 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	91	100	346776		
126	126	32.0	16.6	49.7	

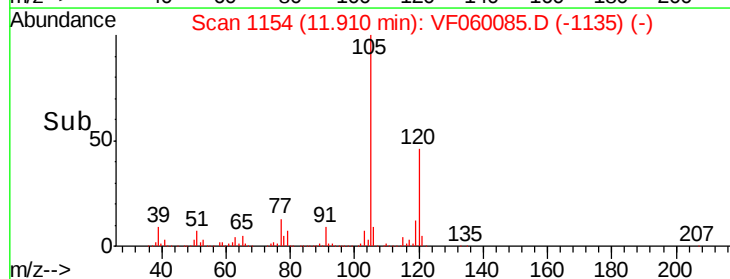
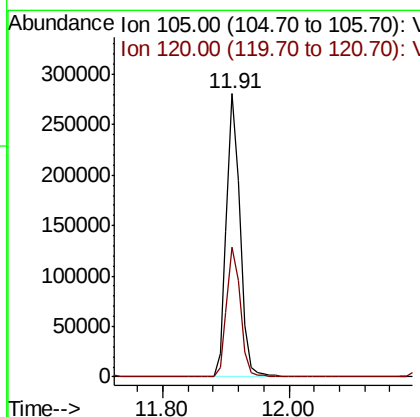
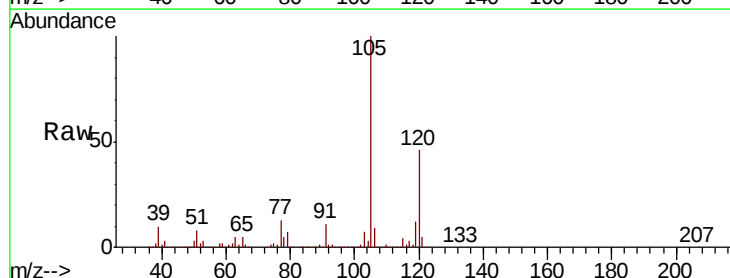
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.14 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	424605		
120	120	46.0	23.8	71.5	





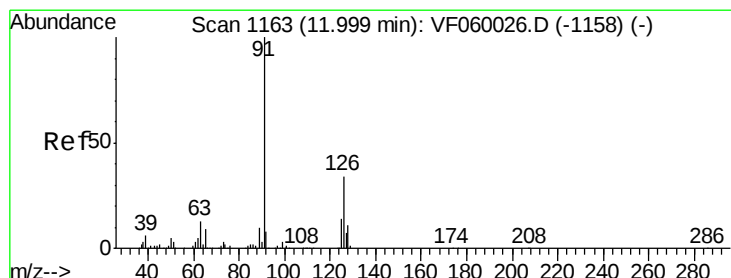
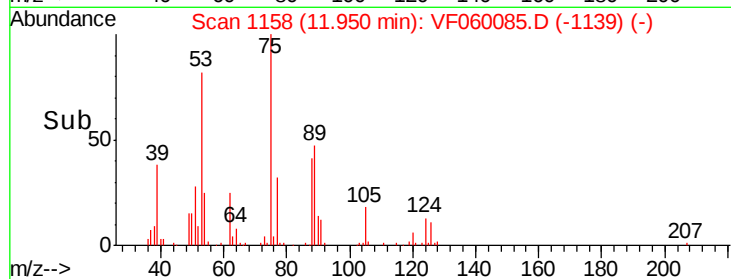
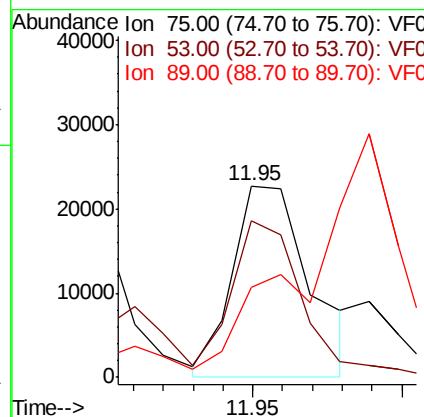
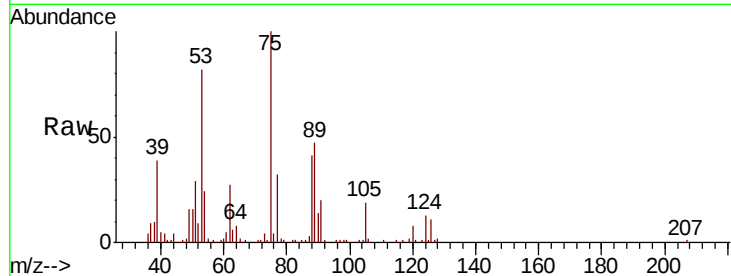
#81
trans-1,4-Dichloro-2-butene
Concen: 55.78 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.8	66.2	99.4
89	47.0	42.8	64.2

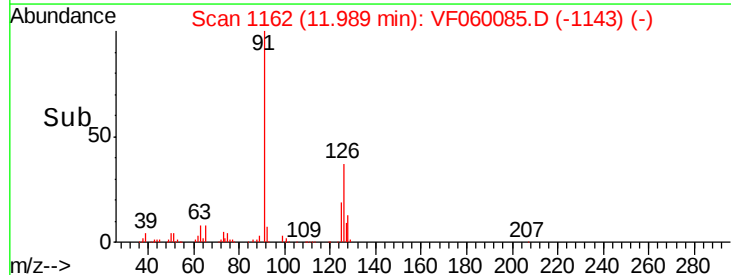
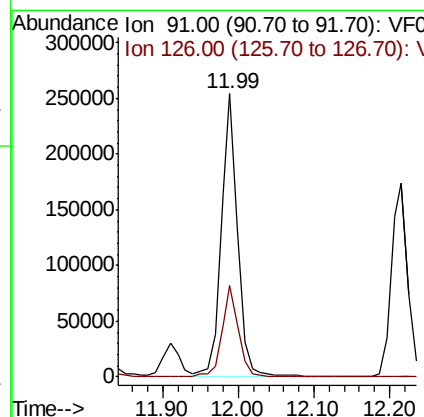
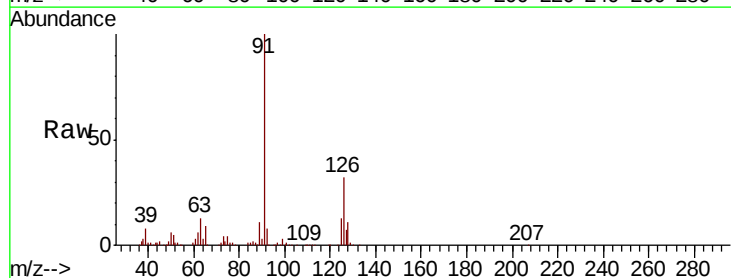
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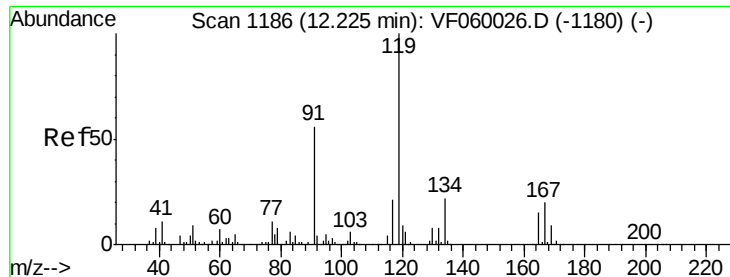
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#82
4-Chlorotoluene
Concen: 51.41 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	17.0	50.9





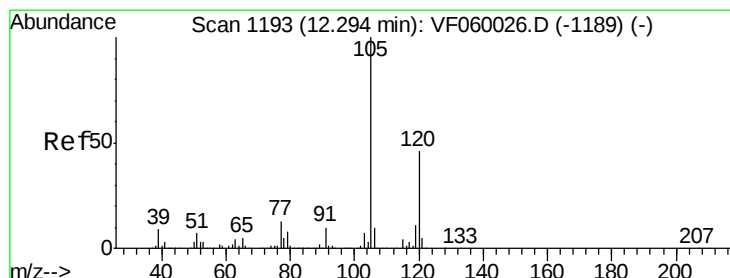
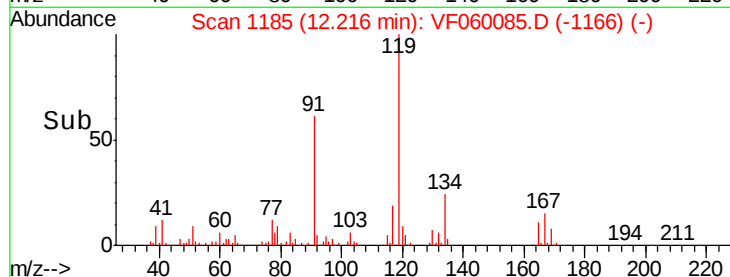
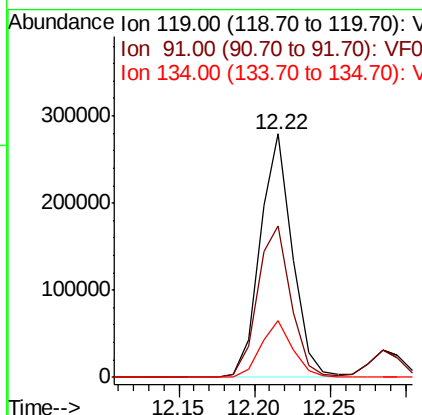
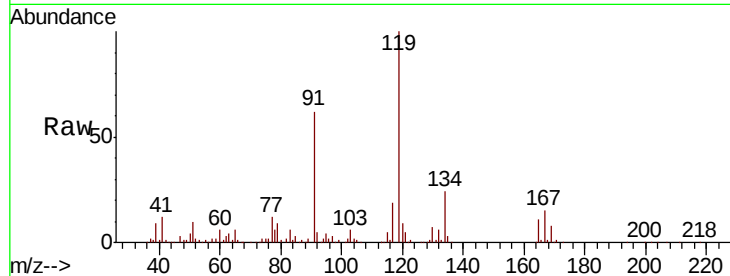
#83
tert-Butylbenzene
Concen: 50.74 ug/l
RT: 12.22 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	410860		
91	62.2	28.1	84.3	
134	23.5	11.1	33.3	

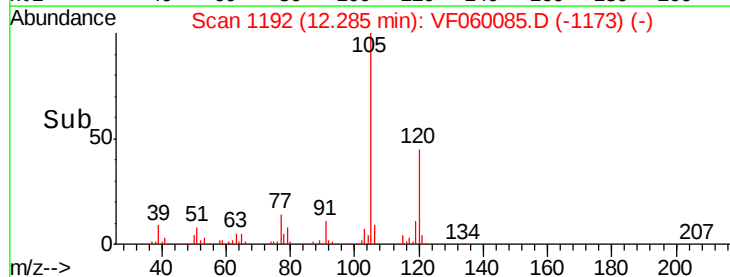
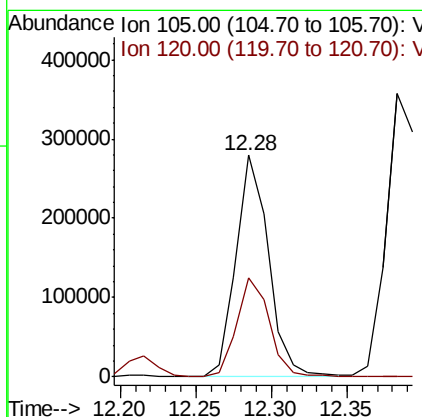
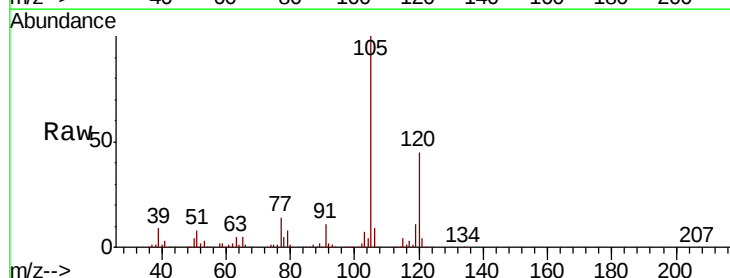
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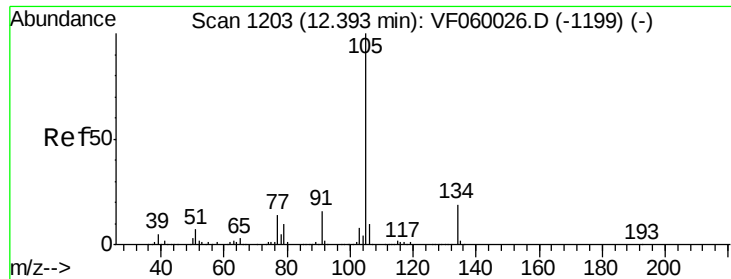
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#84
1,2,4-Trimethylbenzene
Concen: 47.42 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	418542		
120	44.9	23.3	69.8	





#85

sec-Butylbenzene

Concen: 49.13 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

Instrument :

MSVOA_F

ClientSampleId :

EP1-Q3-C2MSD

Tot Ion:105 Resp: 553844

Ion Ratio Lower Upper

105 100

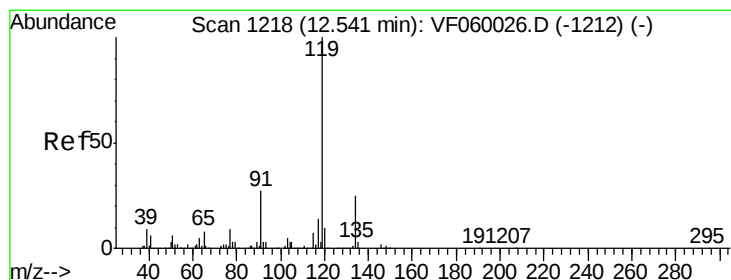
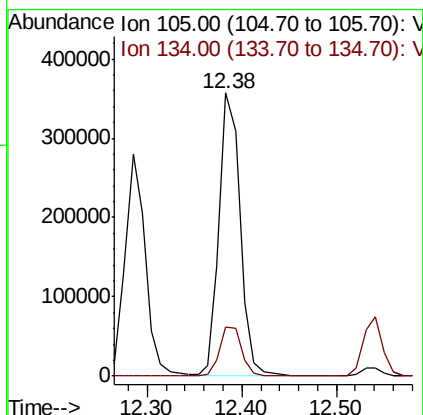
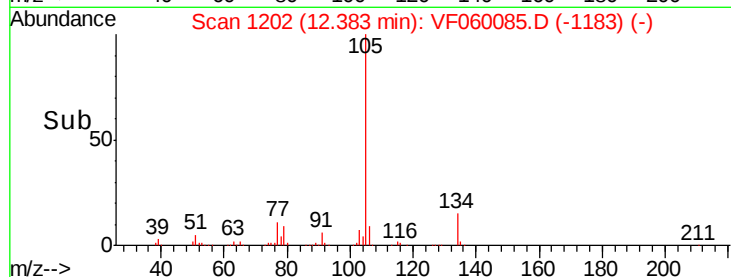
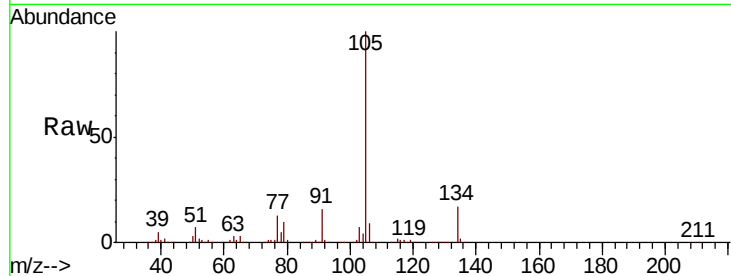
134 17.2 9.3 27.9

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#86

p-Isopropyltoluene

Concen: 48.12 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF060085.D

Acq: 24 Aug 2018 7:48

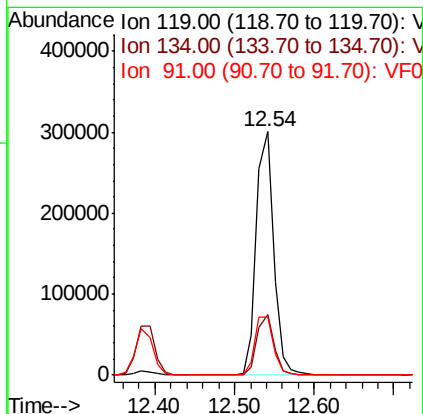
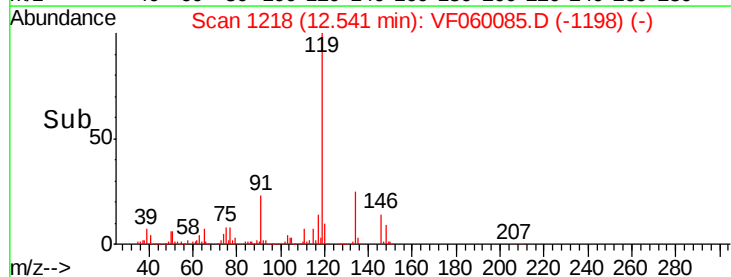
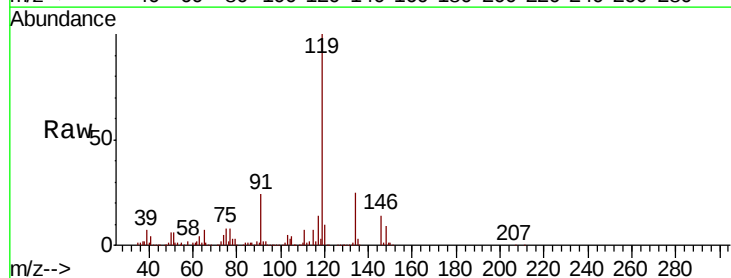
Tgt Ion:119 Resp: 450068

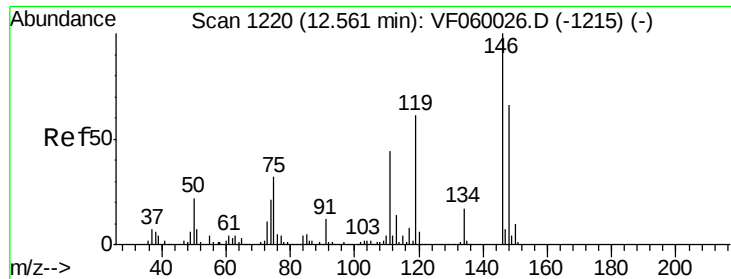
Ion Ratio Lower Upper

119 100

134 24.9 12.4 37.2

91 23.7 13.5 40.4





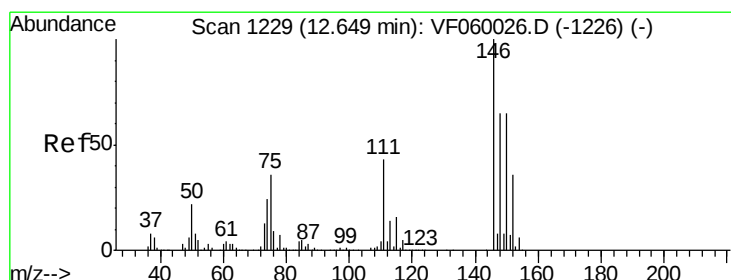
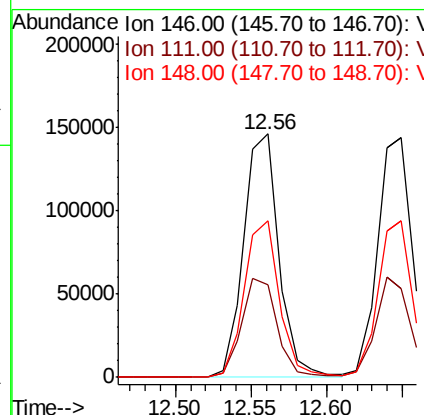
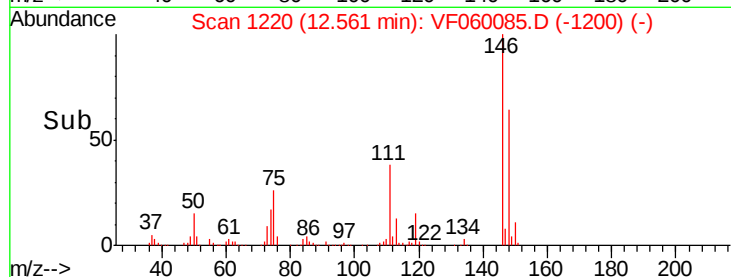
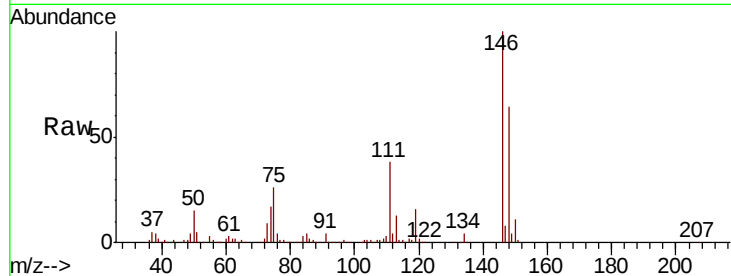
#87
 1,3-Dichlorobenzene
 Concen: 49.46 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	21.9	65.5
148	64.1	32.9	98.7

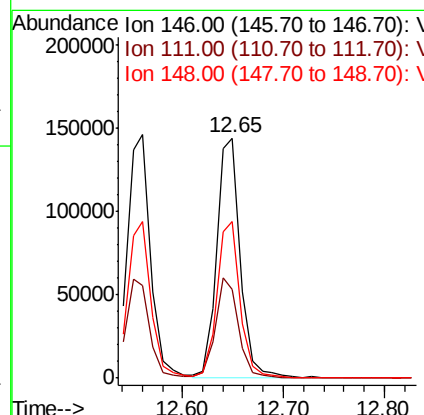
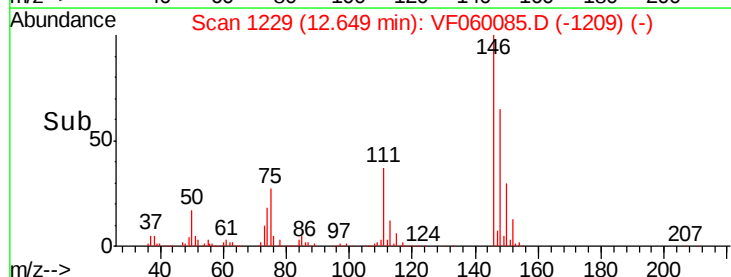
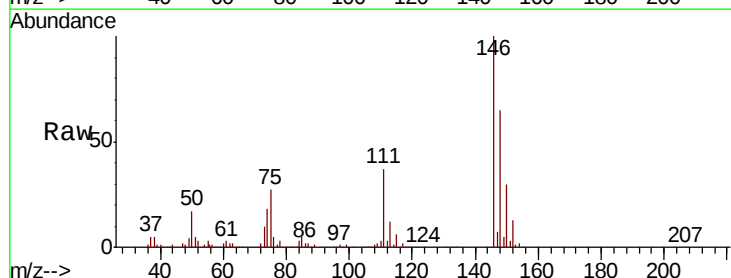
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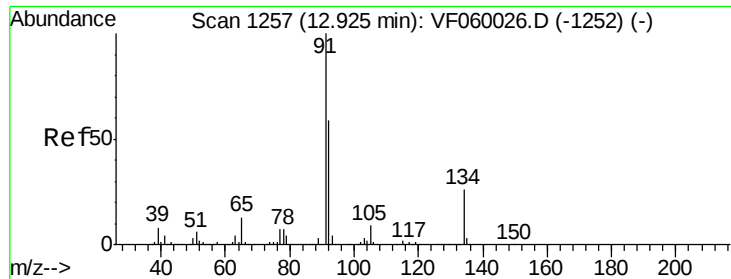
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#88
 1,4-Dichlorobenzene
 Concen: 49.70 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	21.6	64.8
148	65.1	32.3	96.8





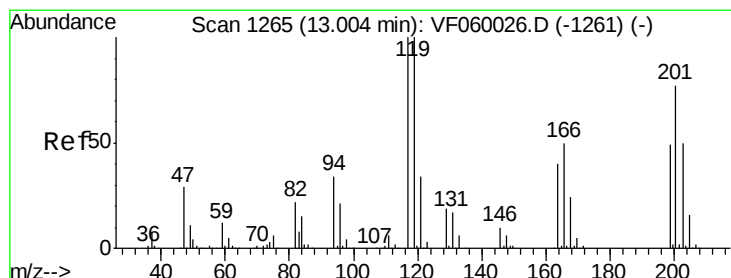
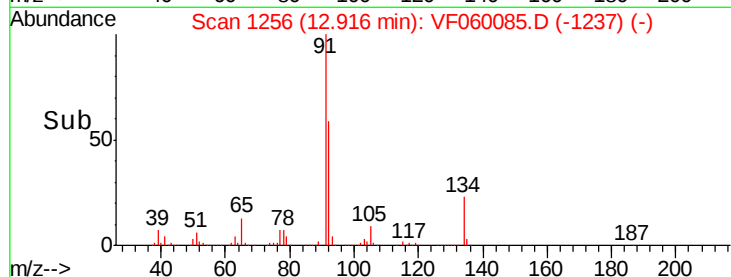
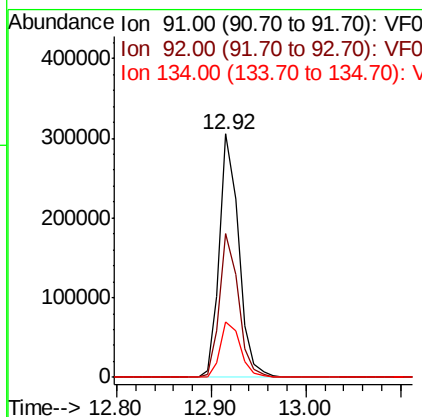
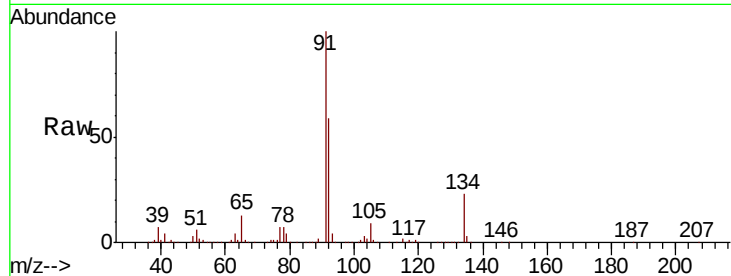
#89
n-Butylbenzene
Concen: 47.58 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.9	29.3	87.9
134	22.8	12.8	38.3

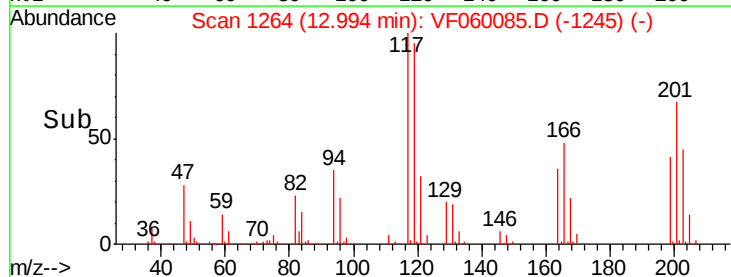
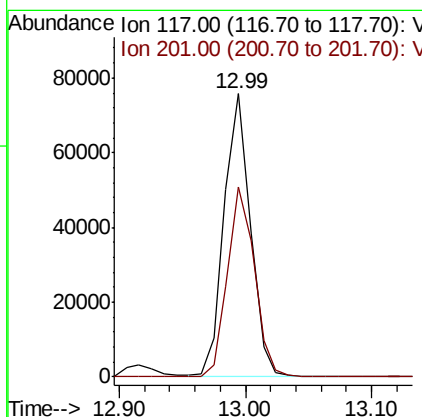
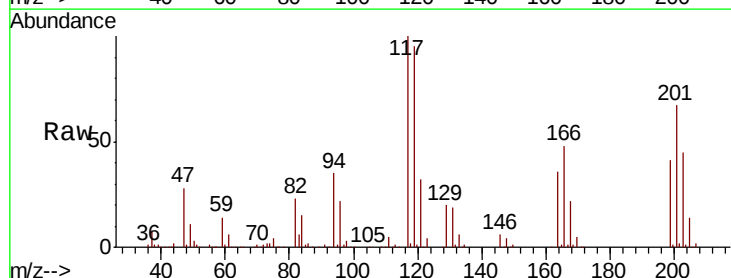
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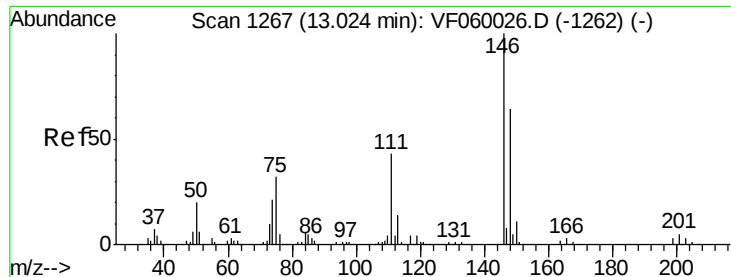
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#90
Hexachloroethane
Concen: 52.37 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.8	38.6	115.8





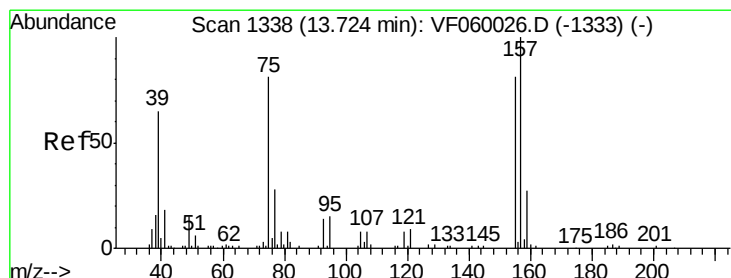
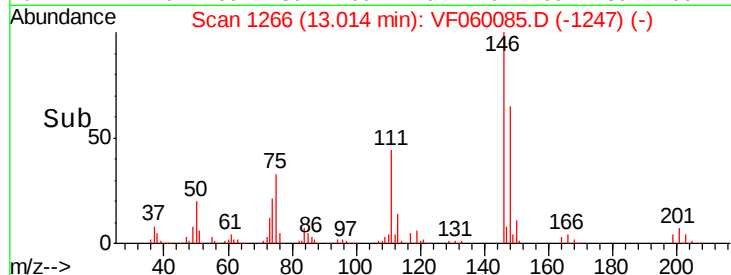
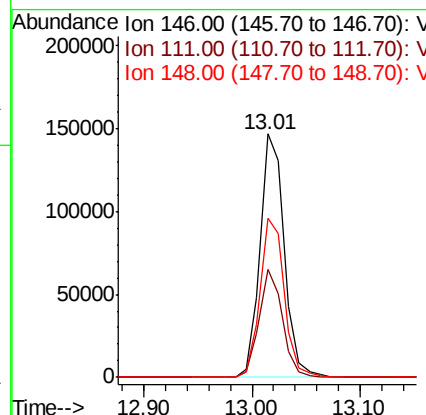
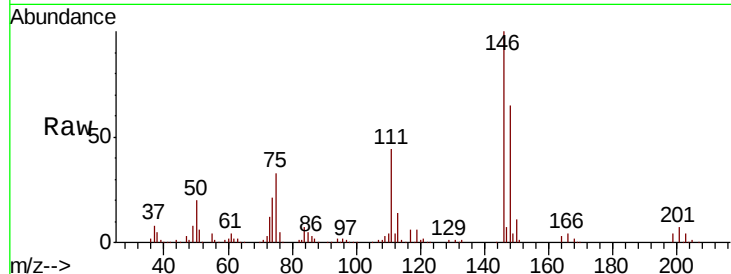
#91
 1,2-Dichlorobenzene
 Concen: 49.90 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	64.6
148	65.1	32.3	96.8

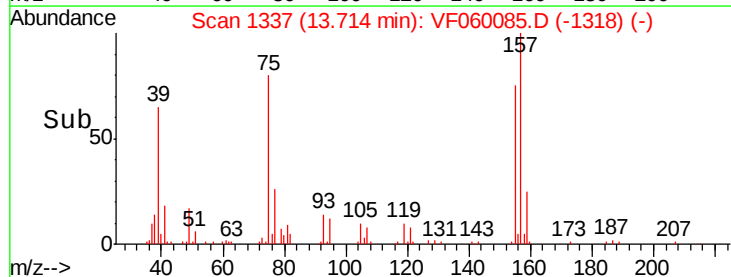
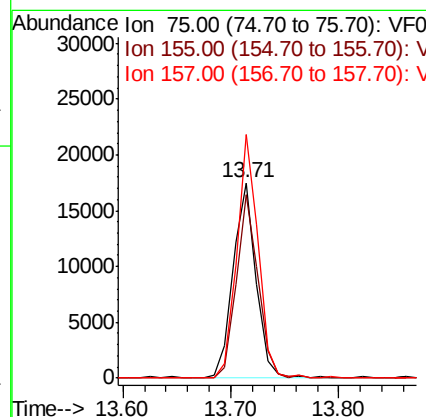
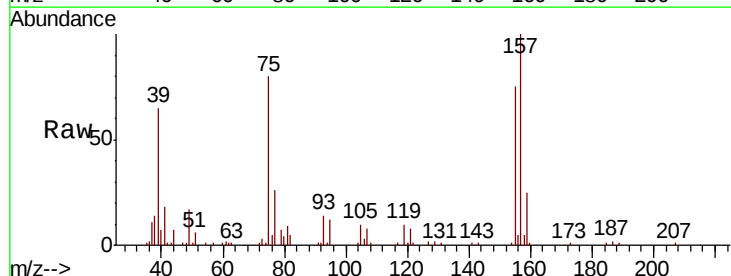
Manual Integrations
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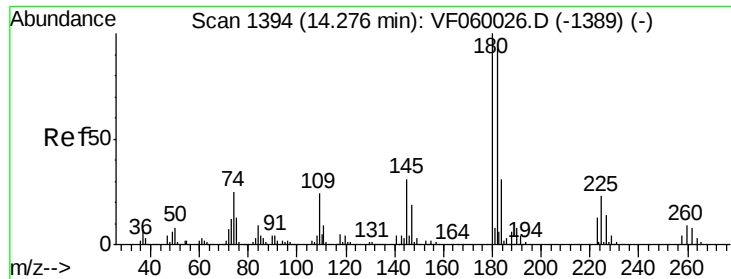
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 8/24/2018 4:13:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.36 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	49.8	149.3
157	124.5	61.6	184.7





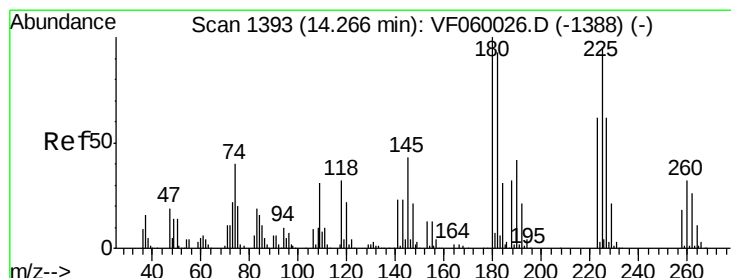
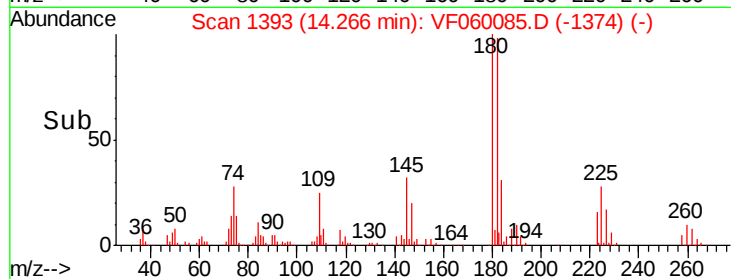
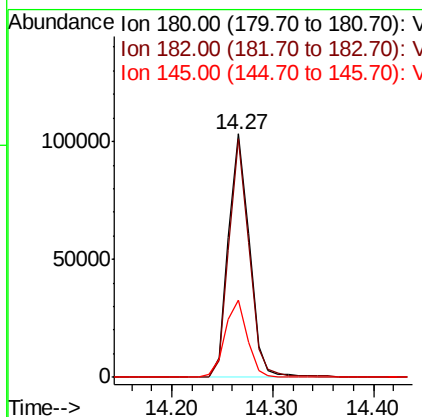
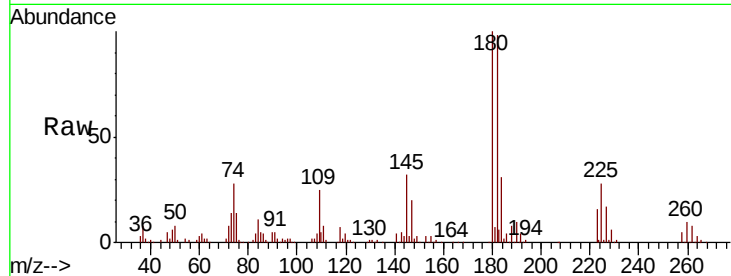
#93
 1,2,4-Trichlorobenzene
 Concen: 44.05 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-Q3-C2MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149481		
182	97.9	46.8	140.3	
145	31.9	15.4	46.4	

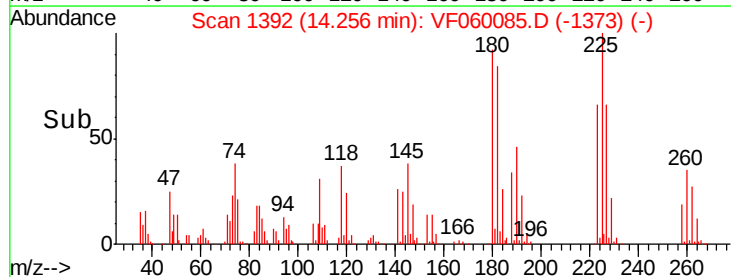
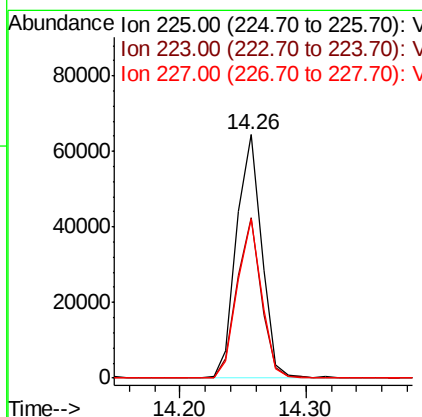
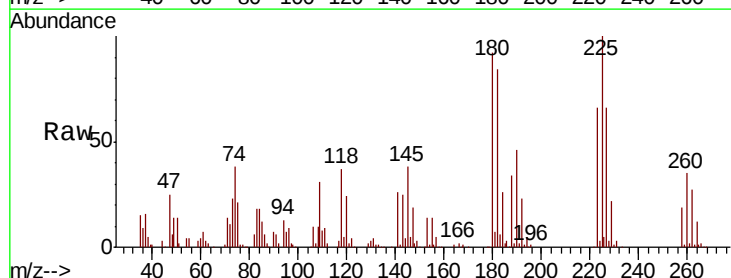
Manual Integrations
 APPROVED

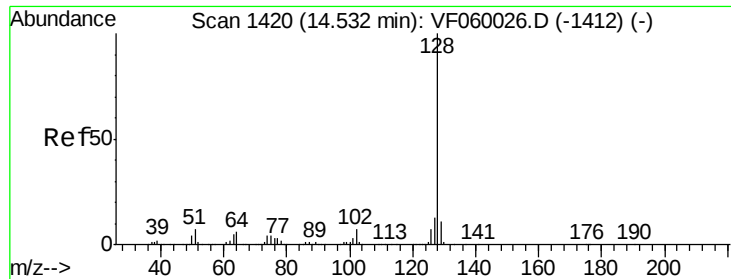
MMDadoda
 8/24/2018 4:13:23 PM



#94
 Hexachlorobutadiene
 Concen: 41.96 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060085.D
 Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88633		
223	66.1	32.6	97.8	
227	65.5	33.0	98.9	





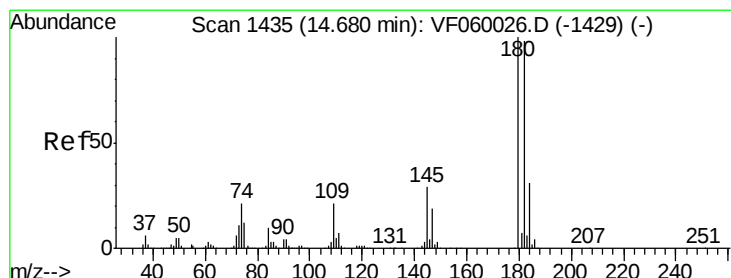
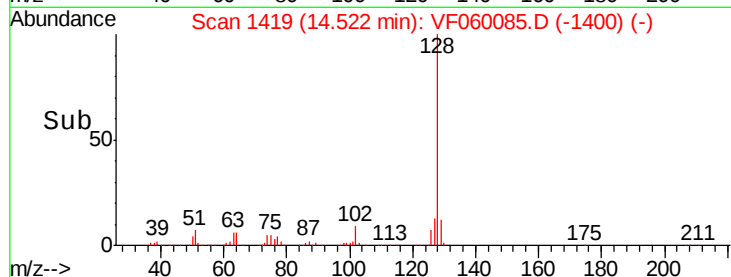
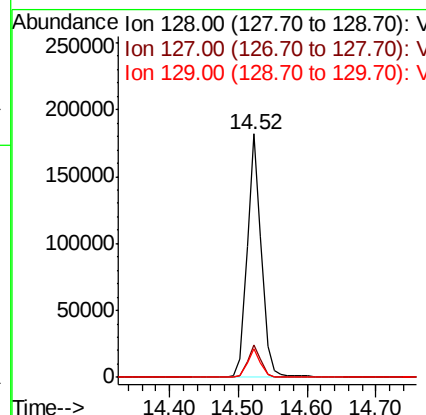
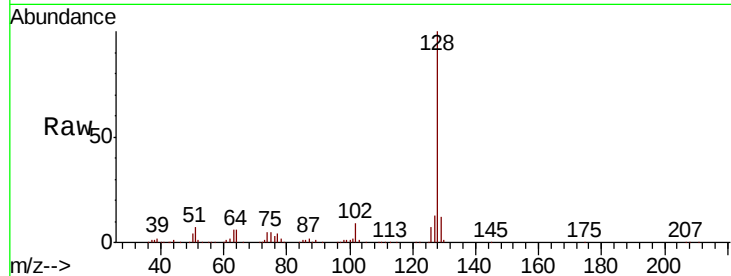
#95
Naphthalene
Concen: 44.26 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Instrument :
MSVOA_F
ClientSampleId :
EP1-Q3-C2MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	259025		
127	13.5	10.4	15.6	
129	11.7	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
8/24/2018 4:13:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.10 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060085.D
Acq: 24 Aug 2018 7:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	152520		
182	95.1	49.0	147.2	
145	29.6	14.4	43.2	

