

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060948.D
 Acq On : 8 Dec 2018 00:22
 Operator : VA/AP
 Sample : J6265-03MSD
 Misc : 6.01g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Manual Integrations
 APPROVED

apatel
 12/10/2018 4:38:51 PM

Quant Time: Dec 08 04:22:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	138611	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	247027	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	231927	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	110098	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	108583	66.50	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	133.00%	
35) Dibromofluoromethane	4.10	113	106065	54.12	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	108.24%	
50) Toluene-d8	7.54	98	291852	50.56	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.40	95	137362m	52.36	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	104.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	102761	49.583	ug/l	98
3) Chloromethane	1.10	50	64756	48.016	ug/l	96
4) Vinyl Chloride	1.14	62	60867	48.385	ug/l	99
5) Bromomethane	1.33	94	49516	55.822	ug/l	92
6) Chloroethane	1.39	64	32408	59.598	ug/l	92
7) Trichlorofluoromethane	1.48	101	157072m	58.195	ug/l	
8) Diethyl Ether	1.63	74	22108	56.961	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.83	101	75945	55.657	ug/l	91
10) Methyl Iodide	1.92	142	118396m	57.084	ug/l	
11) Tert butyl alcohol	2.56	59	23367	349.095	ug/l	98
12) 1,1-Dichloroethene	1.80	96	59418	54.138	ug/l	93
13) Acrolein	1.98	56	11601	182.925	ug/l	99
14) Allyl chloride	2.08	41	56679	41.433	ug/l	95
15) Acrylonitrile	2.93	53	49931	332.729	ug/l	99
16) Acetone	2.23	43	93030	308.953	ug/l	99
17) Carbon Disulfide	1.84	76	144231m	49.012	ug/l	
18) Methyl Acetate	2.34	43	45625	91.693	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	150037	60.696	ug/l	95
20) Methylene Chloride	2.26	84	64427m	58.323	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	53655m	50.709	ug/l	
22) Diisopropyl ether	2.78	45	234642	63.015	ug/l	99
23) Vinyl Acetate	3.18	43	494952	290.789	ug/l	98
24) 1,1-Dichloroethane	2.85	63	123806	55.884	ug/l	98
25) 2-Butanone	4.31	43	154311	296.285	ug/l	93
26) 2,2-Dichloropropane	3.58	77	71903	50.062	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	98696	57.295	ug/l	96
28) Bromochloromethane	3.70	49	61852	58.174	ug/l	96
29) Tetrahydrofuran	4.06	42	70545	319.543	ug/l	97
30) Chloroform	3.84	83	194960	57.179	ug/l	99
31) Cyclohexane	3.68	56	114280m	49.705	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	110121	46.569	ug/l	95
36) 1,1-Dichloropropene	4.26	75	140202	51.170	ug/l	95
37) Ethyl Acetate	4.09	43	67732	60.831	ug/l #	97
38) Carbon Tetrachloride	3.97	117	107769	44.532	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	122020	42.495	ug/l	98
40) Benzene	4.61	78	296569	48.995	ug/l	97
41) Methacrylonitrile	4.73	41	38853	68.860	ug/l #	89
42) 1,2-Dichloroethane	4.92	62	135547	61.338	ug/l	94
43) Isopropyl Acetate	6.95	43	81827	60.114	ug/l #	93
44) Trichloroethene	5.49	130	96760	48.889	ug/l	95
45) 1,2-Dichloropropane	6.22	63	78830	50.144	ug/l	97
46) Dibromomethane	6.07	93	62581	58.682	ug/l	98
47) Bromodichloromethane	6.36	83	162507	57.373	ug/l	99
48) Methyl methacrylate	6.70	41	58176	57.722	ug/l	90
49) 1,4-Dioxane	6.69	88	8439	1144.086	ug/l #	86
51) 4-Methyl-2-Pentanone	8.24	43	315715	307.484	ug/l	99
52) Toluene	7.61	92	189533	44.577	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	121163	52.589	ug/l	97
54) cis-1,3-Dichloropropene	7.28	75	157352	55.168	ug/l	100
55) 1,1,2-Trichloroethane	8.48	97	71011	57.317	ug/l	97
56) Ethyl methacrylate	8.60	69	77549	56.347	ug/l	97
57) 1,3-Dichloropropane	8.84	76	125815	58.045	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.28	63	55411	393.619	ug/l	99
59) 2-Hexanone	9.47	43	206890	287.211	ug/l	95
60) Dibromochloromethane	8.70	129	100350	54.362	ug/l	97
61) 1,2-Dibromoethane	8.97	107	74561	55.710	ug/l	93
64) Tetrachloroethene	8.14	164	83599	47.192	ug/l	96
65) Chlorobenzene	9.78	112	236273	52.367	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	100424	51.774	ug/l	94
67) Ethyl Benzene	9.89	91	408258	48.604	ug/l	97
68) m/p-Xylenes	10.11	106	294185	97.378	ug/l	96
69) o-Xylene	10.69	106	161023	48.336	ug/l	86
70) Styrene	10.77	104	210914	45.673	ug/l	95
71) Bromoform	10.75	173	53235	56.820	ug/l #	93
73) Isopropylbenzene	11.11	105	476665	54.786	ug/l	99
74) N-amyl acetate	11.36	43	117616m	58.542	ug/l	
75) 1,1,2,2-Tetrachloroethane	11.68	83	109267	76.308	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	69973m	67.229	ug/l	
77) Bromobenzene	11.48	156	98913	51.855	ug/l	86
78) n-propylbenzene	11.58	91	520196	51.055	ug/l	99
79) 2-Chlorotoluene	11.71	91	324032	55.464	ug/l	98
80) 1,3,5-Trimethylbenzene	11.81	105	383045	54.231	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	31225m	61.230	ug/l	
82) 4-Chlorotoluene	11.89	91	331109	53.854	ug/l	96
83) tert-Butylbenzene	12.12	119	382552	53.170	ug/l	94
84) 1,2,4-Trimethylbenzene	12.19	105	363526	51.569	ug/l	99
85) sec-Butylbenzene	12.29	105	474926	48.219	ug/l	99
86) p-Isopropyltoluene	12.45	119	397148	48.095	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	179787m	49.551	ug/l	
88) 1,4-Dichlorobenzene	12.55	146	178492	50.479	ug/l	95
89) n-Butylbenzene	12.84	91	375503	44.972	ug/l	98
90) Hexachloroethane	12.90	117	99854	50.217	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	180450	52.517	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	18276	66.015	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	117468	48.928	ug/l	99
94) Hexachlorobutadiene	14.18	225	59196	36.987	ug/l	97
95) Naphthalene	14.44	128	266979	57.843	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	114887	51.537	ug/l	99

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

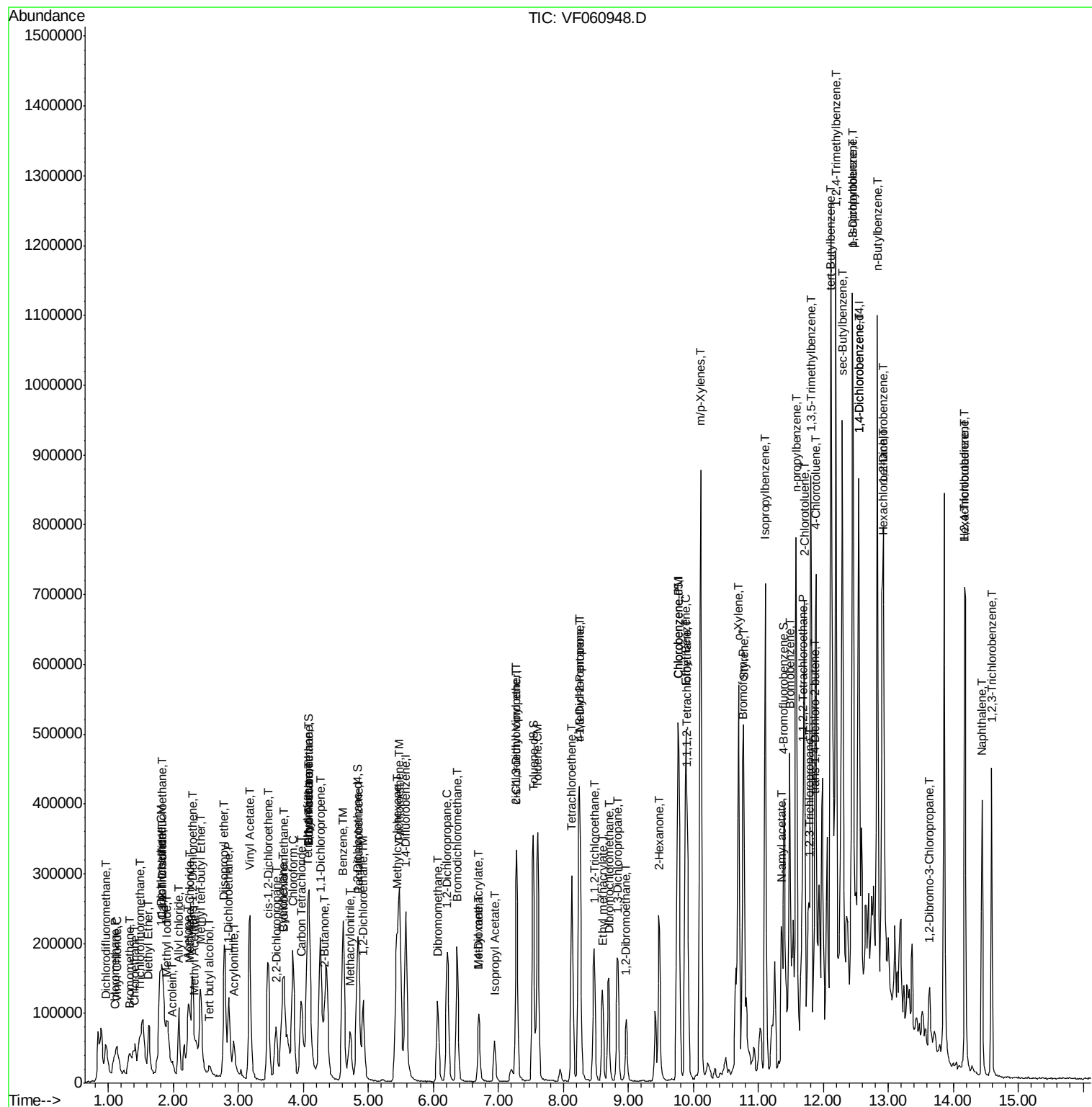
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
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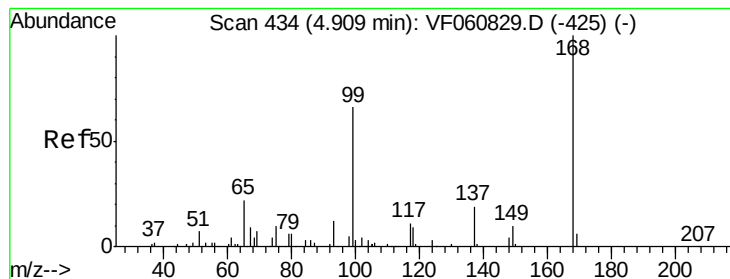
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 428

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 168 Resp: 138611

Ion Ratio Lower Upper

168 100

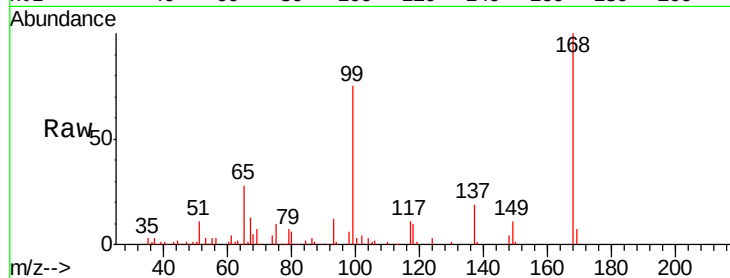
99 74.8 52.6 79.0

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

4.86

50000

40000

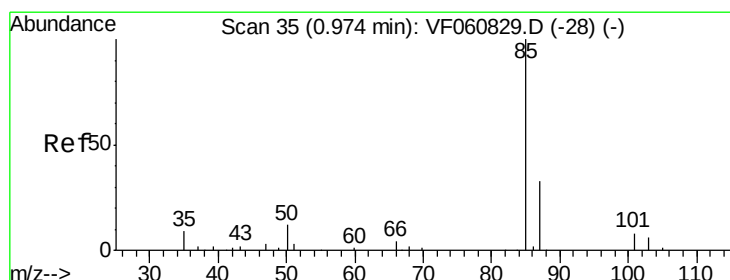
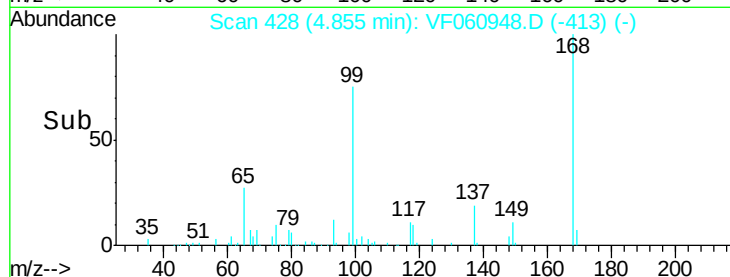
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.583 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060948.D

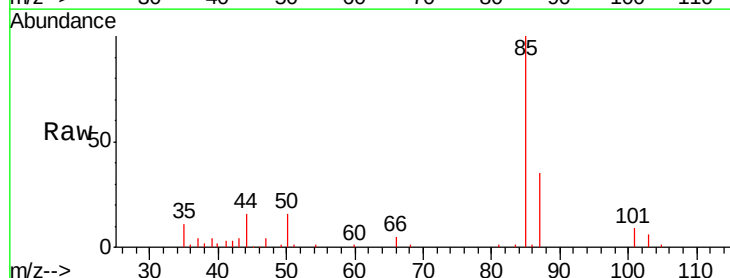
Acq: 8 Dec 2018 00:22

Tgt Ion: 85 Resp: 102761

Ion Ratio Lower Upper

85 100

87 34.7 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

25000

20000

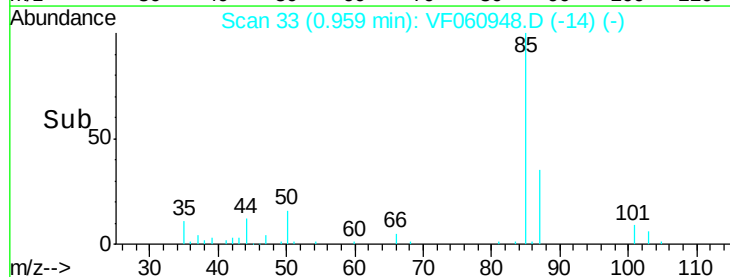
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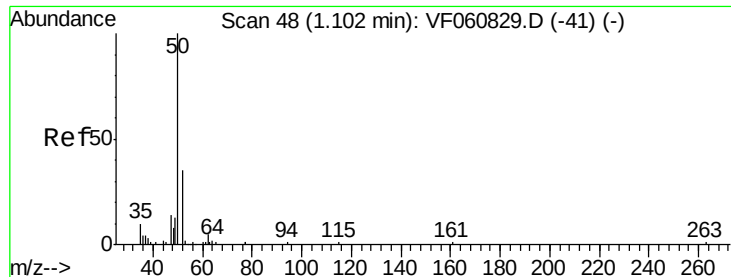
10000

5000

0

Time-->





#3

Chloromethane

Concen: 48.016 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 50 Resp: 64756

Ion Ratio Lower Upper

50 100

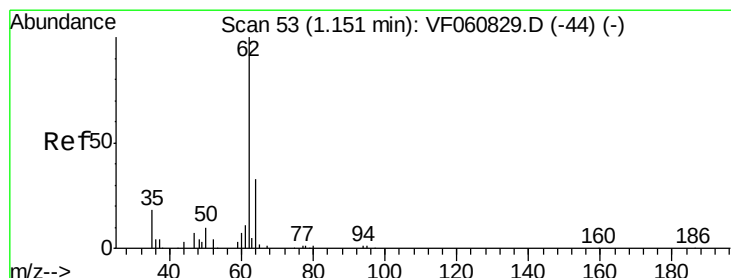
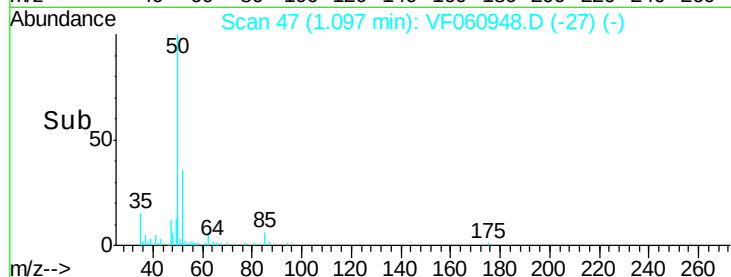
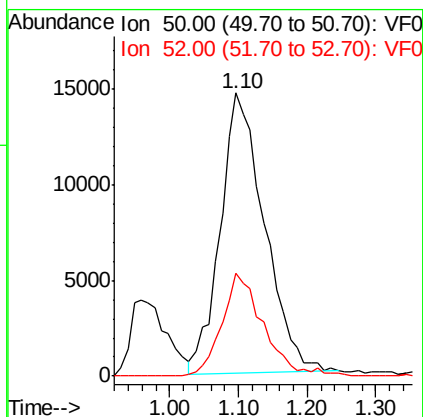
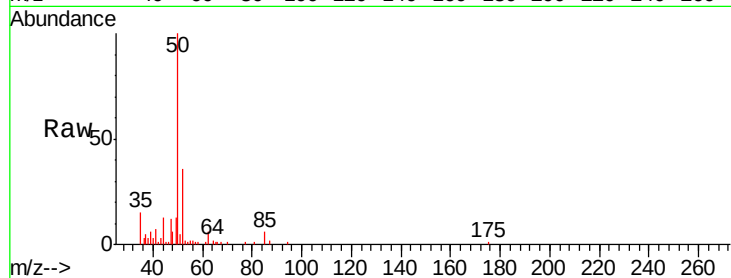
52 36.2 27.0 40.4

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#4

Vinyl Chloride

Concen: 48.385 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF060948.D

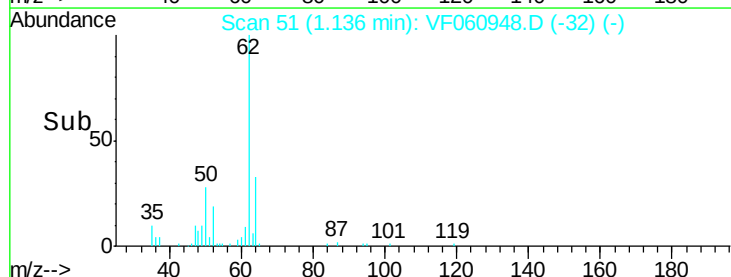
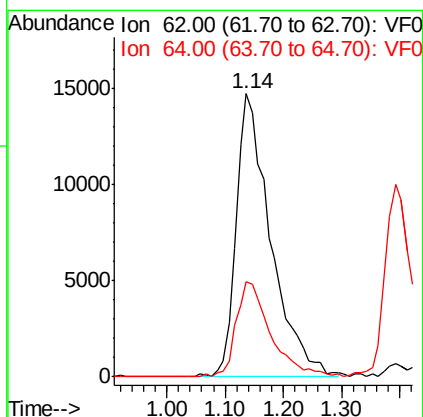
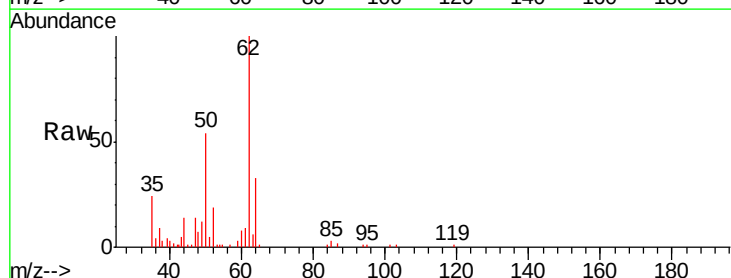
Acq: 8 Dec 2018 00:22

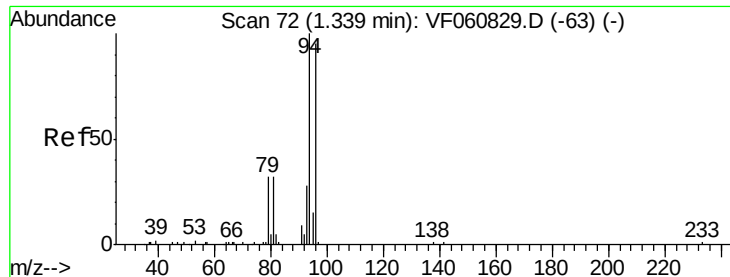
Tgt Ion: 62 Resp: 60867

Ion Ratio Lower Upper

62 100

64 33.5 26.4 39.6





#5

Bromomethane

Concen: 55.822 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

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ClientSampleId :

S32-0632MSD

Tgt Ion: 94 Resp: 49516

Ion Ratio Lower Upper

94 100

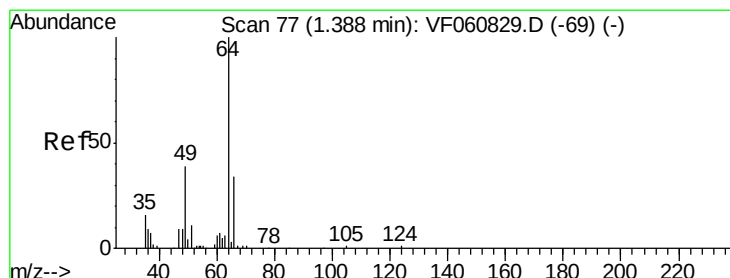
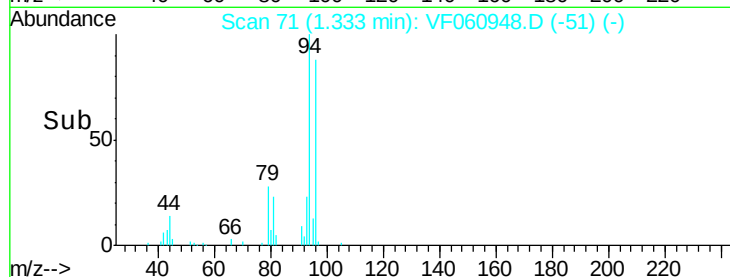
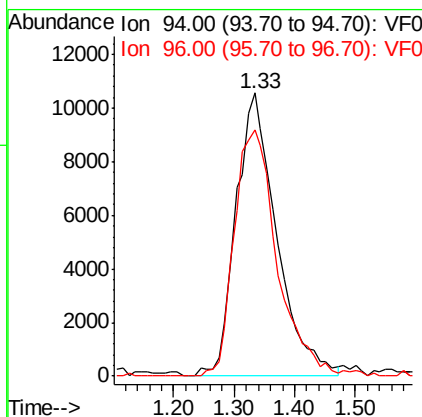
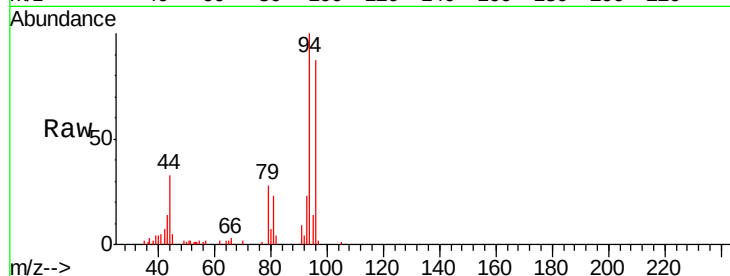
96 86.9 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 59.598 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF060948.D

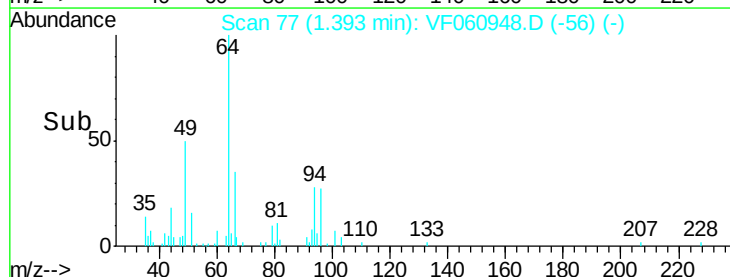
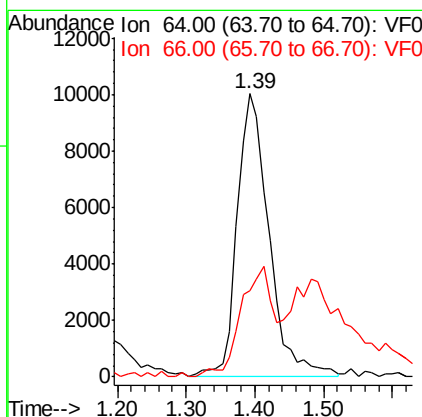
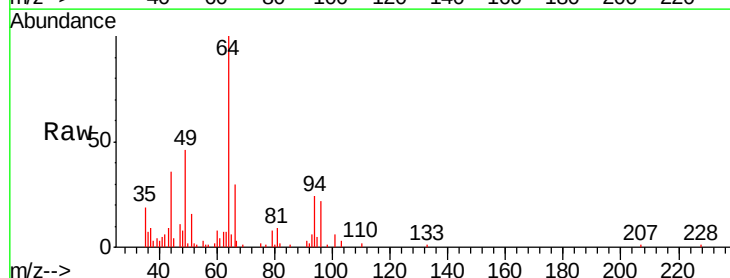
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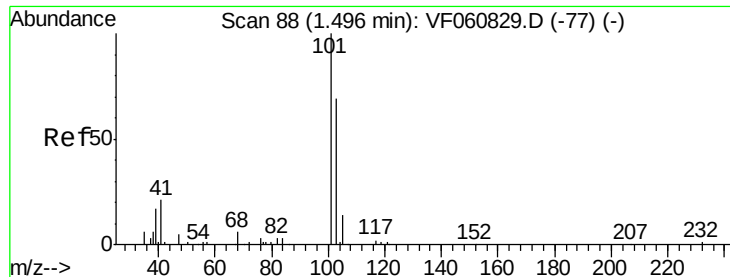
Tgt Ion: 64 Resp: 32408

Ion Ratio Lower Upper

64 100

66 30.3 28.1 42.1





#7

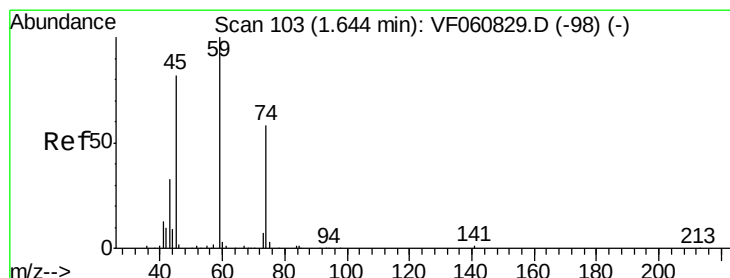
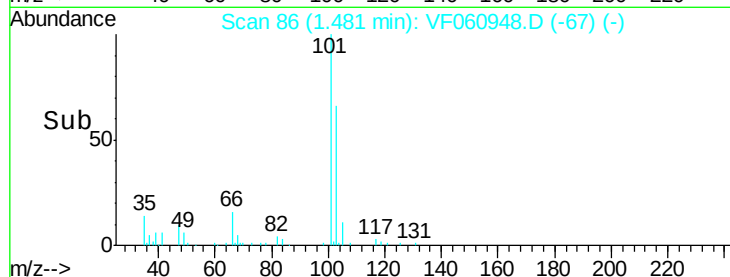
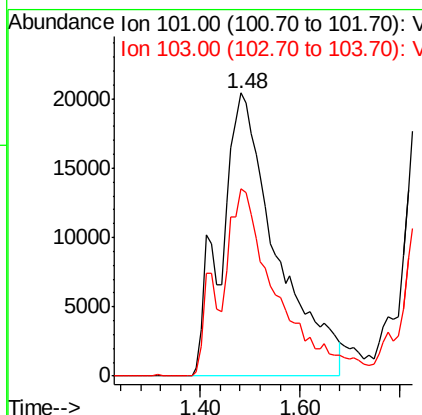
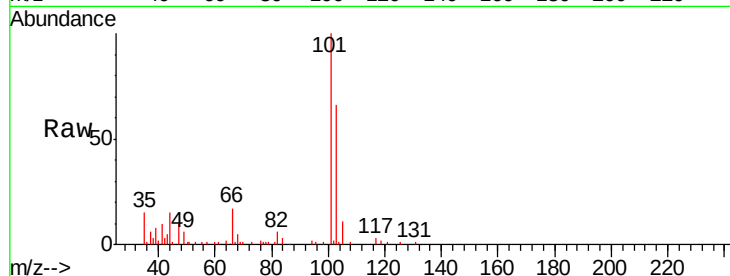
Trichlorofluoromethane
Concen: 58.195 ug/l m
RT: 1.48 min Scan# 86
Delta R.T. -0.02 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
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ClientSampleId :
S32-0632MSD

Tgt Ion:101 Resp: 157072
Ion Ratio Lower Upper
101 100
103 66.3 55.4 83.0

Manual Integrations
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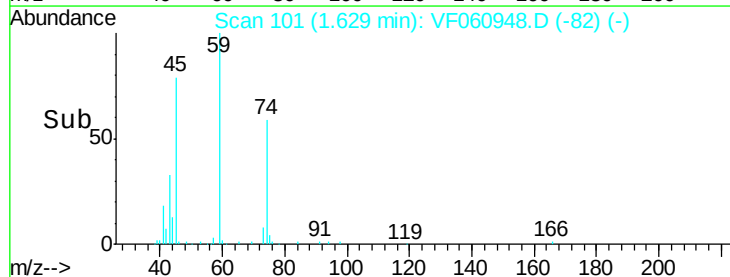
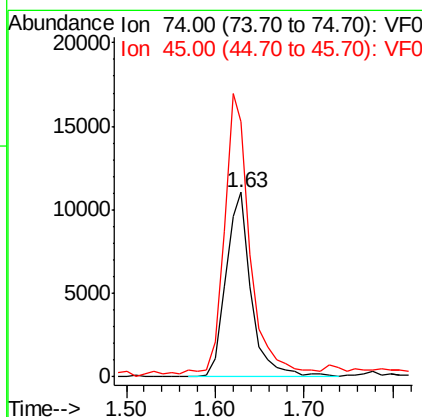
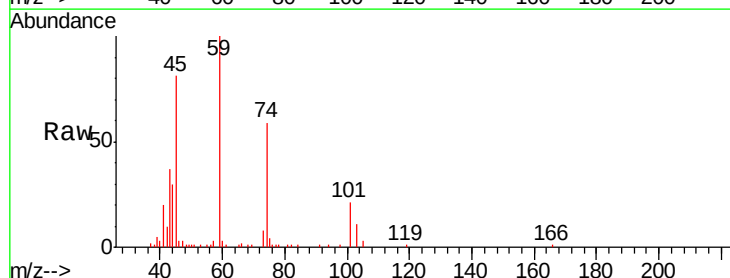
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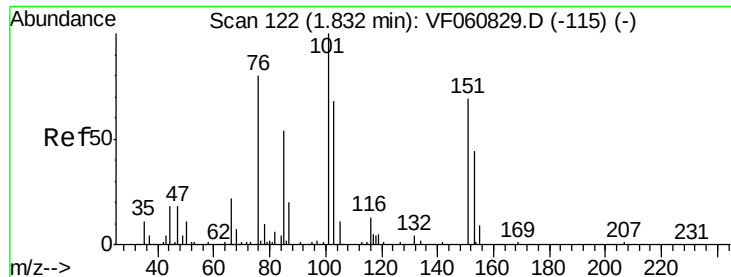


#8

Diethyl Ether
Concen: 56.961 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion: 74 Resp: 22108
Ion Ratio Lower Upper
74 100
45 138.1 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.657 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

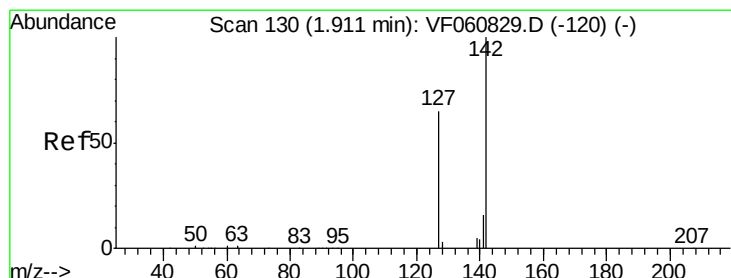
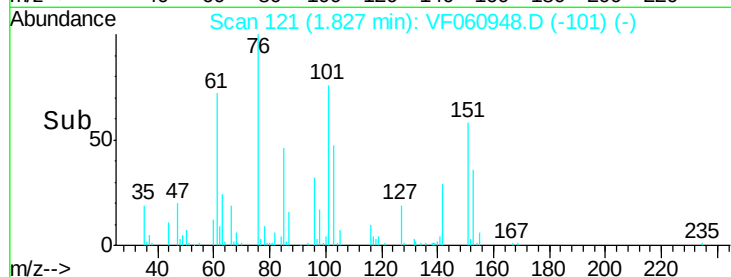
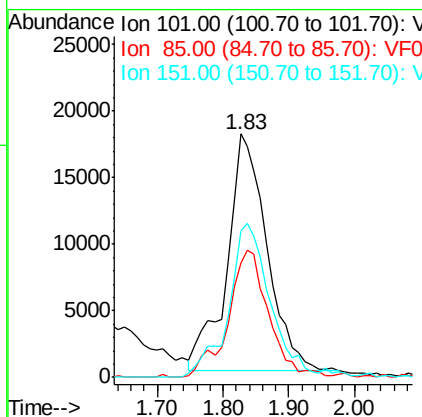
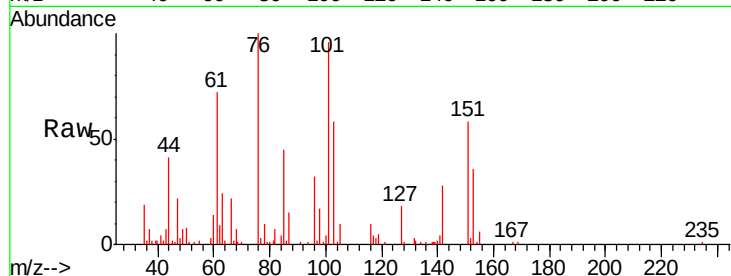
ClientSampleId :

S32-0632MSD

Tgt Ion:	101	Resp:	75945
Ion Ratio	Lower	Upper	
101	100		
85	46.9	42.8	64.2
151	60.2	54.4	81.6

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#10

Methyl Iodide

Concen: 57.084 ug/l m

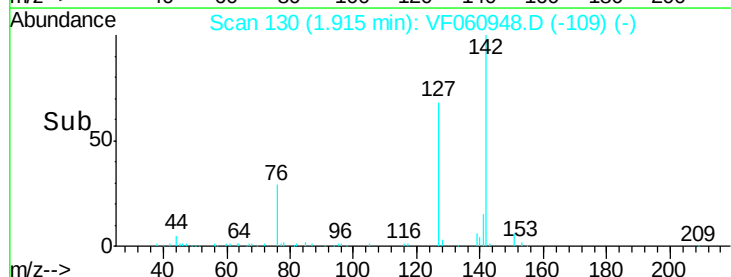
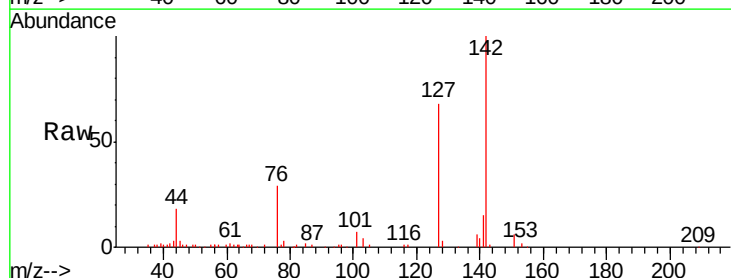
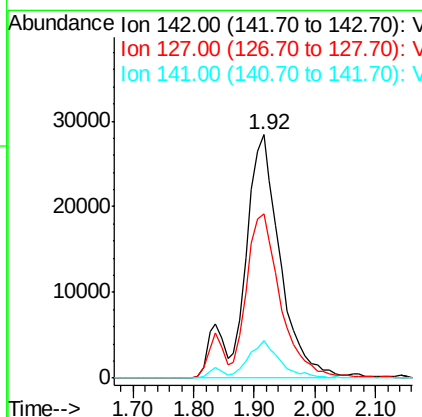
RT: 1.92 min Scan# 130

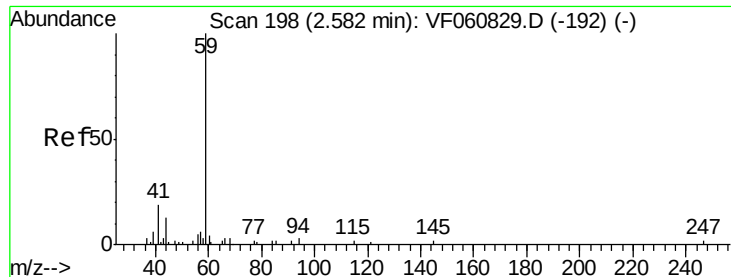
Delta R.T. 0.00 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion:	142	Resp:	118396
Ion Ratio	Lower	Upper	
142	100		
127	67.5	51.9	77.9
141	15.3	12.7	19.1





#11

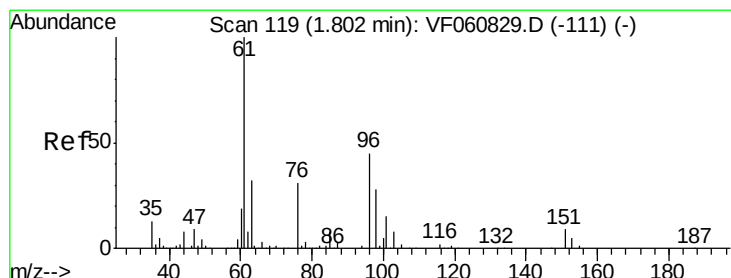
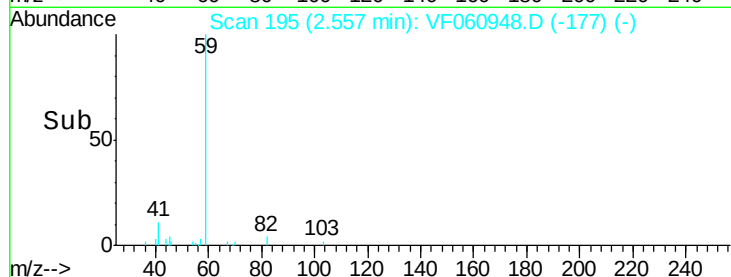
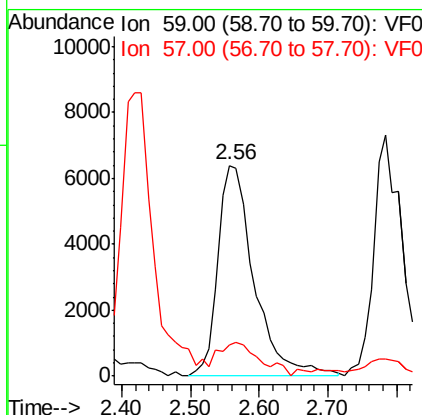
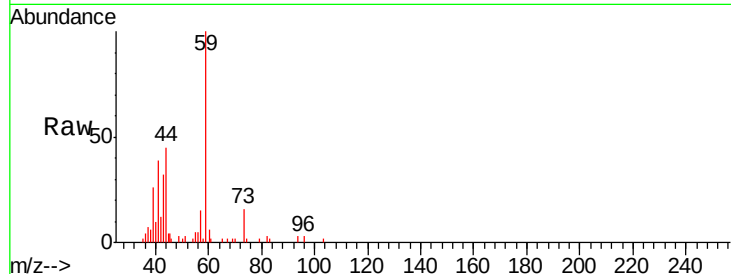
Tert butyl alcohol
Concen: 349.095 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.02 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion: 59 Resp: 23367
Ion Ratio Lower Upper
59 100
57 14.9 12.7 19.1

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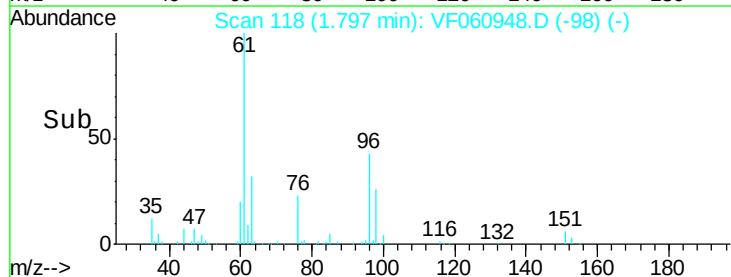
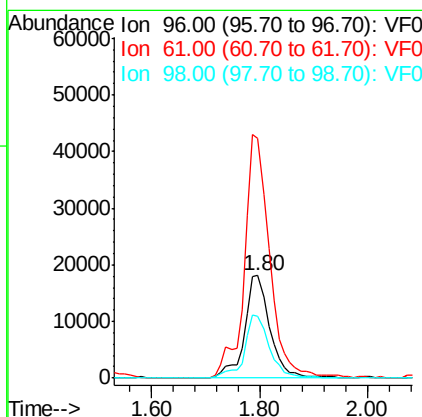
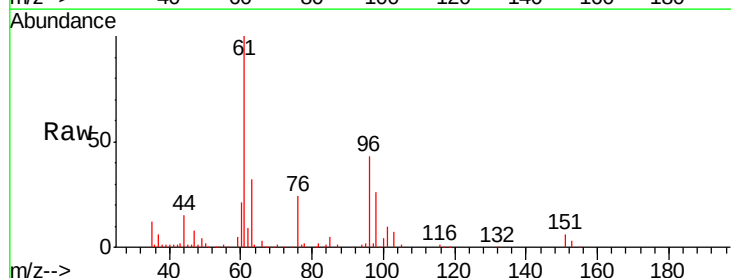
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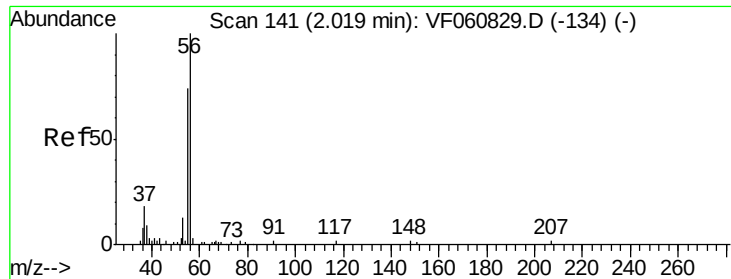


#12

1,1-Dichloroethene
Concen: 54.138 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion: 96 Resp: 59418
Ion Ratio Lower Upper
96 100
61 234.2 177.3 265.9
98 60.0 49.6 74.4





#13

Acrolein

Concen: 182.925 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.03 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 56 Resp: 11601

Ion Ratio Lower Upper

56 100

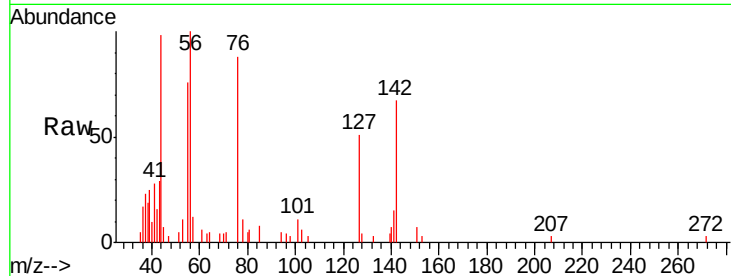
55 76.0 61.2 91.8

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.98

4000

3000

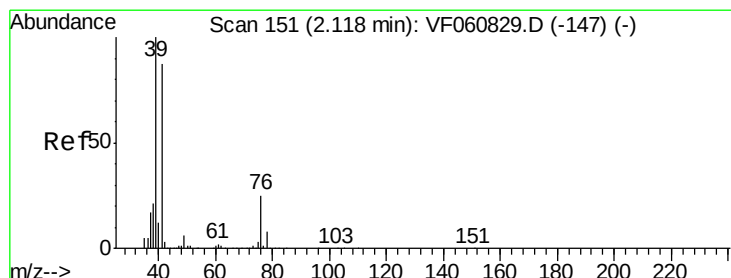
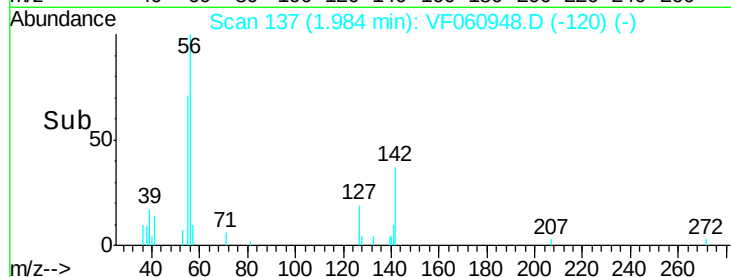
2000

1000

0

1.90 2.00 2.10

Time-->



#14

Allyl chloride

Concen: 41.433 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.03 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

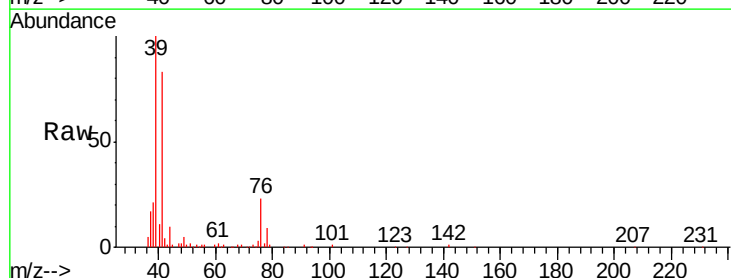
Tgt Ion: 41 Resp: 56679

Ion Ratio Lower Upper

41 100

39 120.3 91.7 137.5

76 27.7 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.08

40000

30000

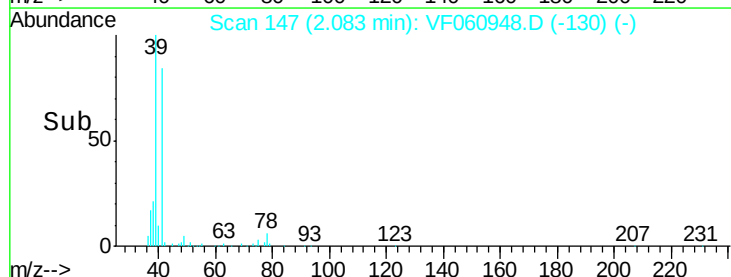
20000

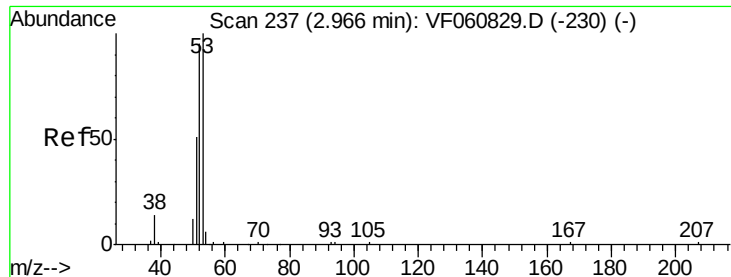
10000

0

2.00 2.05 2.10 2.15

Time-->





#15

Acrylonitrile

Concen: 332.729 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

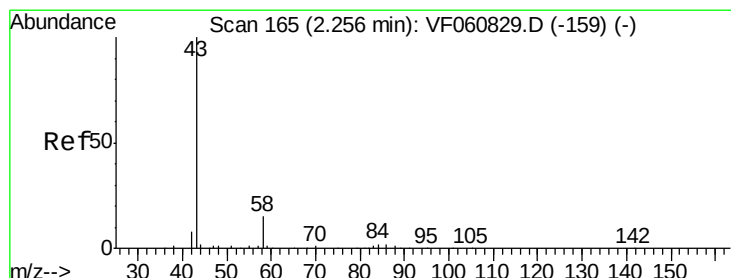
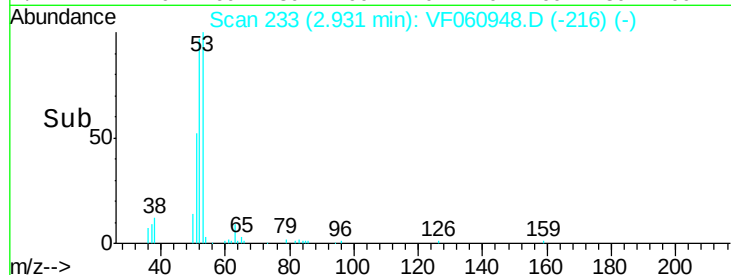
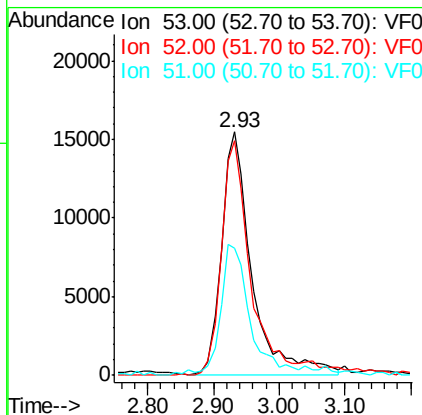
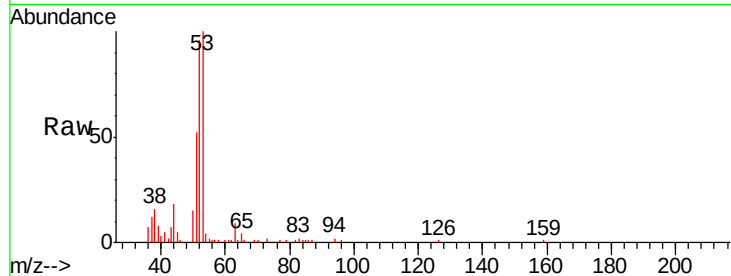
ClientSampleId :

S32-0632MSD

Tgt Ion:	53	Resp:	49931
Ion	Ratio	Lower	Upper
53	100		
52	96.2	76.5	114.7
51	52.3	40.7	61.1

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#16

Acetone

Concen: 308.953 ug/l

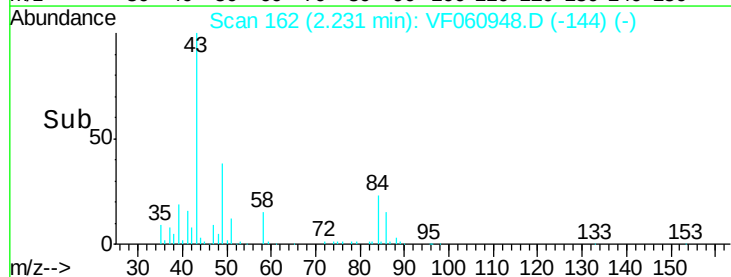
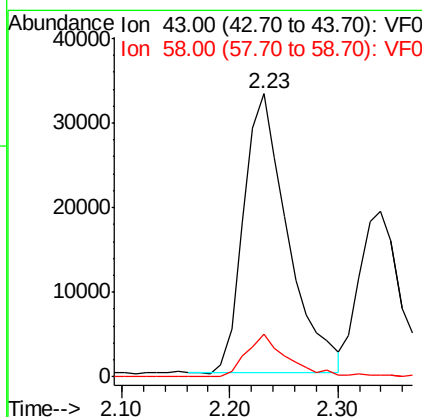
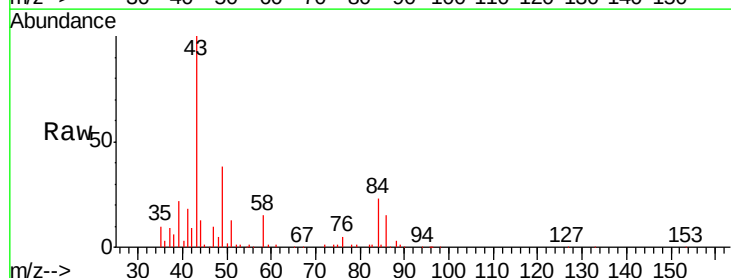
RT: 2.23 min Scan# 162

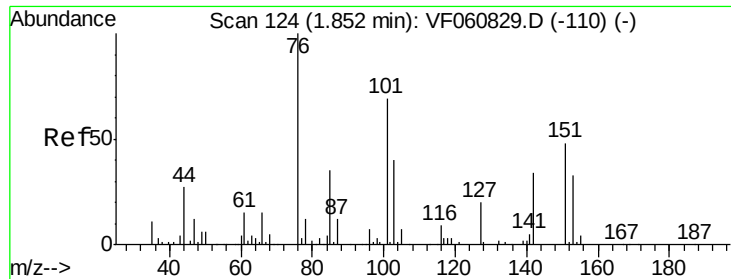
Delta R.T. -0.02 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion:	43	Resp:	93030
Ion	Ratio	Lower	Upper
43	100		
58	14.9	11.4	17.2





#17

Carbon Disulfide

Concen: 49.012 ug/l m

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion: 76 Resp: 144231

Ion Ratio Lower Upper

76 100

78 12.5 10.2 15.2

Instrument :

MSVOA_F

ClientSampleId :

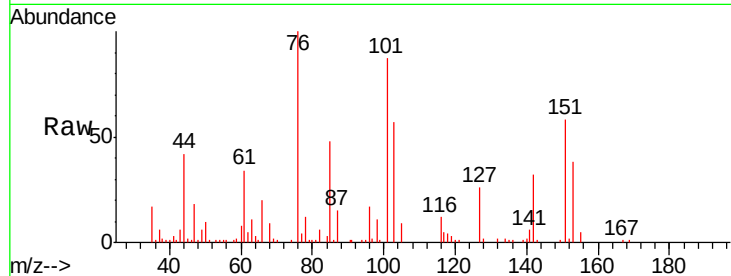
S32-0632MSD

Manual Integrations

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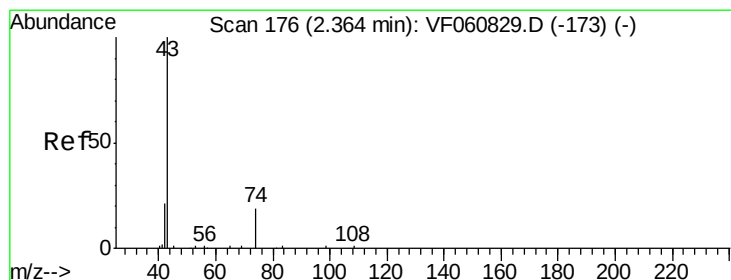
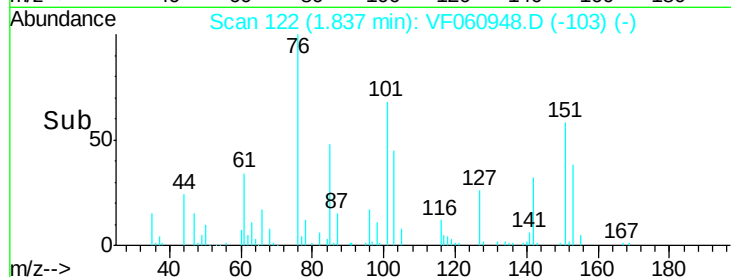
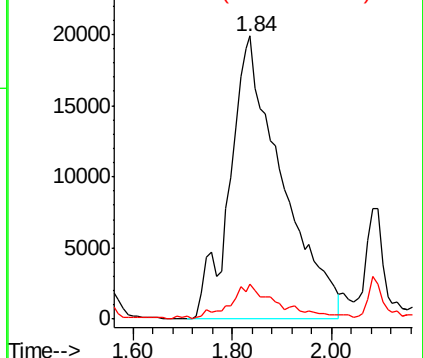
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 91.693 ug/l

RT: 2.34 min Scan# 173

Delta R.T. -0.02 min

Lab File: VF060948.D

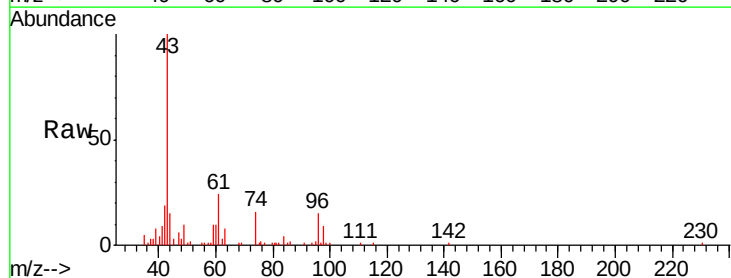
Acq: 8 Dec 2018 00:22

Tgt Ion: 43 Resp: 45625

Ion Ratio Lower Upper

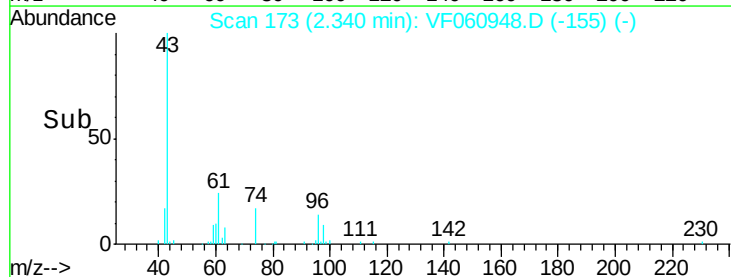
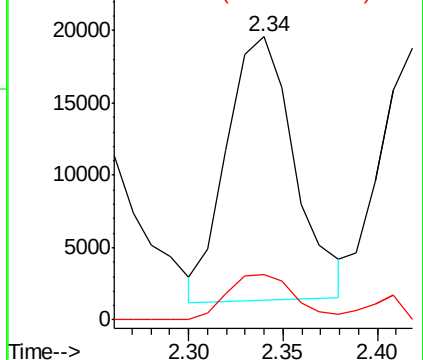
43 100

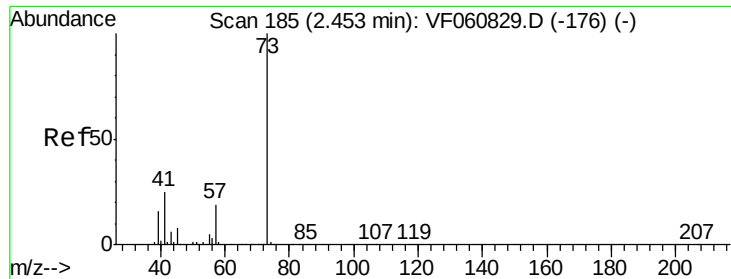
74 16.0 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





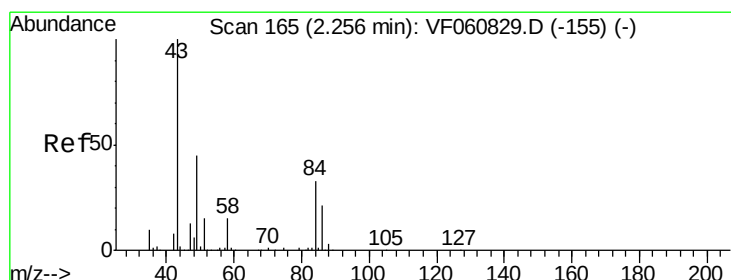
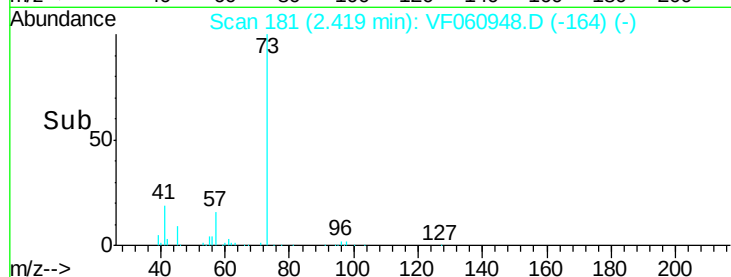
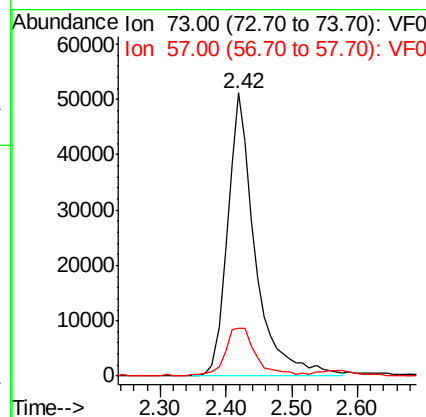
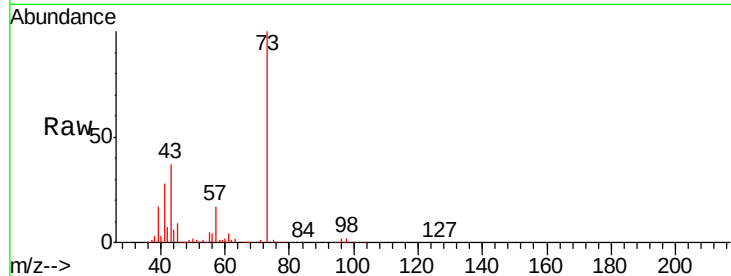
#19
Methyl tert-butyl Ether
Concen: 60.696 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.03 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion: 73 Resp: 150037
Ion Ratio Lower Upper
73 100
57 16.8 15.3 22.9

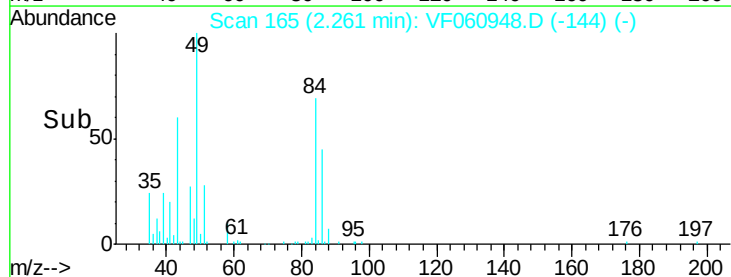
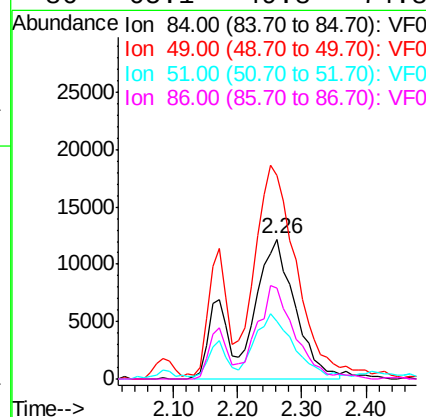
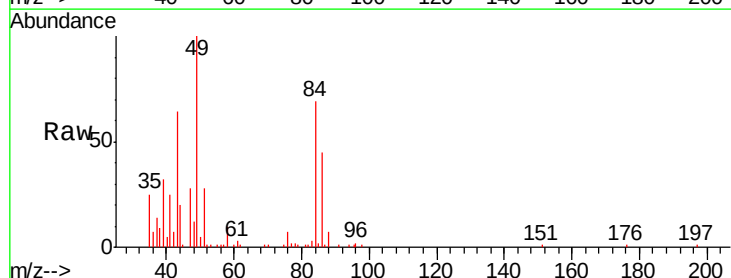
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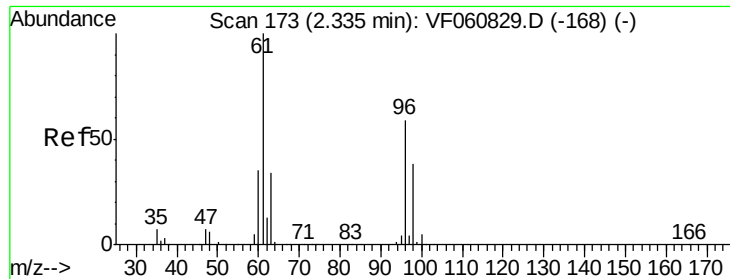
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#20
Methylene Chloride
Concen: 58.323 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion: 84 Resp: 64427
Ion Ratio Lower Upper
84 100
49 145.8 111.3 166.9
51 41.1 38.0 57.0
86 65.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.709 ug/l m

RT: 2.30 min Scan# 169

Delta R.T. -0.03 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

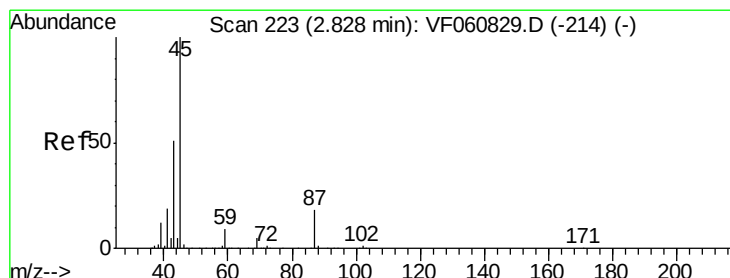
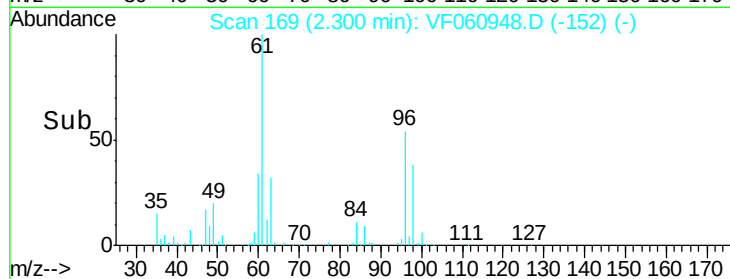
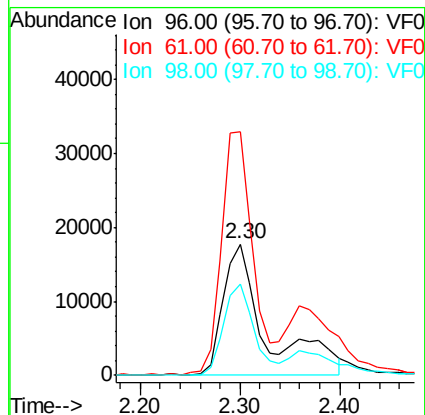
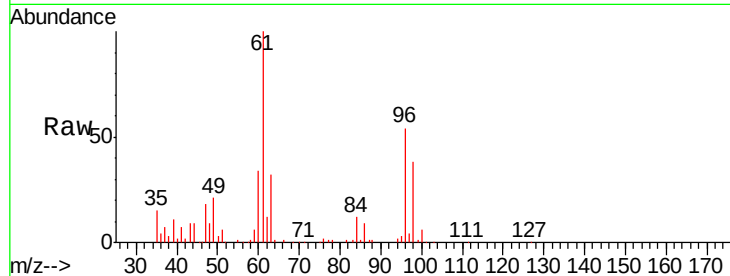
ClientSampleId :

S32-0632MSD

Tgt Ion:	96	Resp:	53655
Ion	Ratio	Lower	Upper
96	100		
61	185.2	134.5	201.7
98	69.5	51.6	77.4

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#22

Diisopropyl ether

Concen: 63.015 ug/l

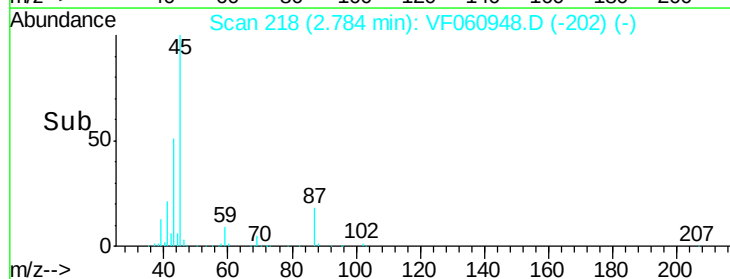
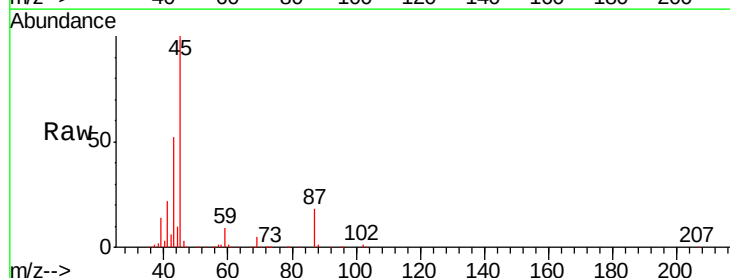
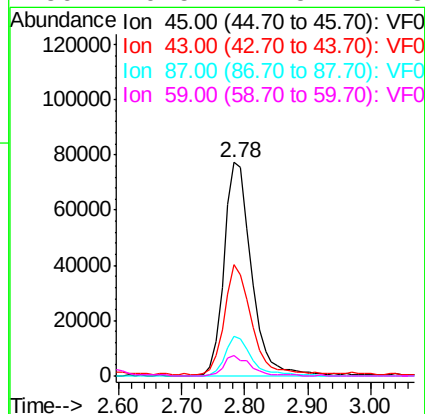
RT: 2.78 min Scan# 218

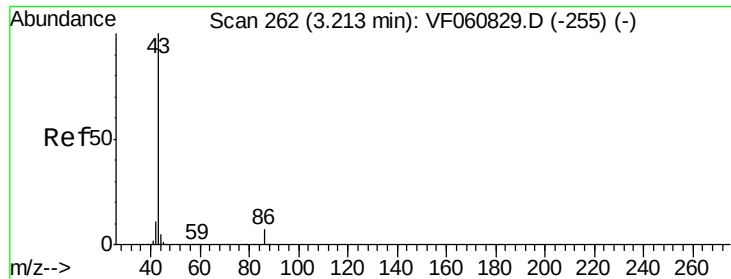
Delta R.T. -0.04 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion:	45	Resp:	234642
Ion	Ratio	Lower	Upper
45	100		
43	51.9	41.0	61.6
87	18.4	14.6	22.0
59	9.5	7.5	11.3





#23

Vinyl Acetate

Concen: 290.789 ug/l

RT: 3.18 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 43 Resp: 494952

Ion Ratio Lower Upper

43 100

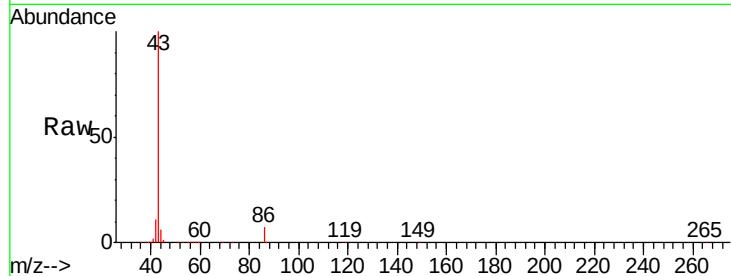
86 7.3 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

200000

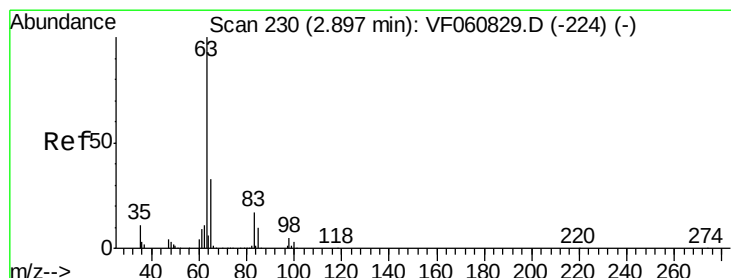
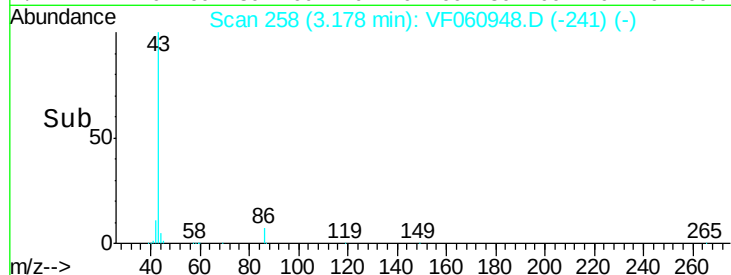
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.884 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.04 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

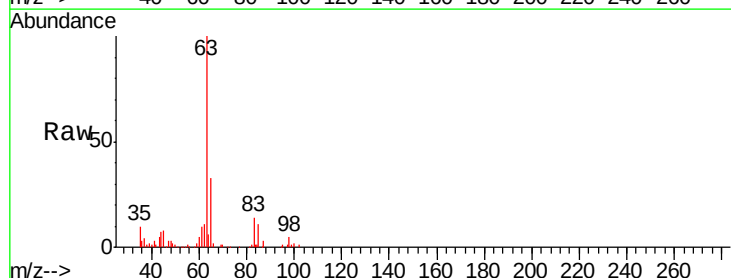
Tgt Ion: 63 Resp: 123806

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

100 2.3 1.5 4.5



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

2.85

60000

50000

40000

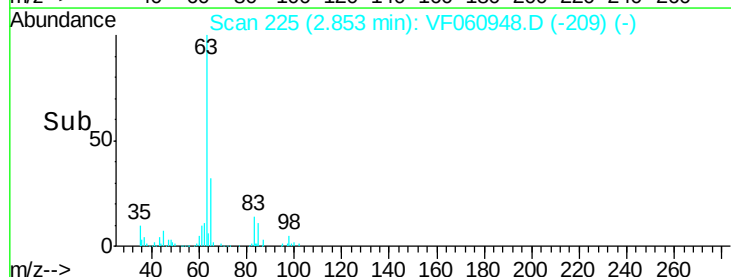
30000

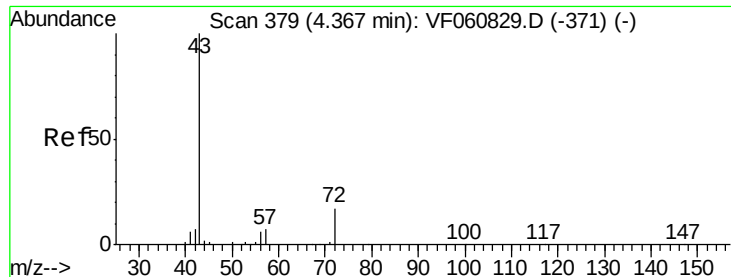
20000

10000

0

Time-->





#25

2-Butanone

Concen: 296.285 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 43 Resp: 154311

Ion Ratio Lower Upper

43 100

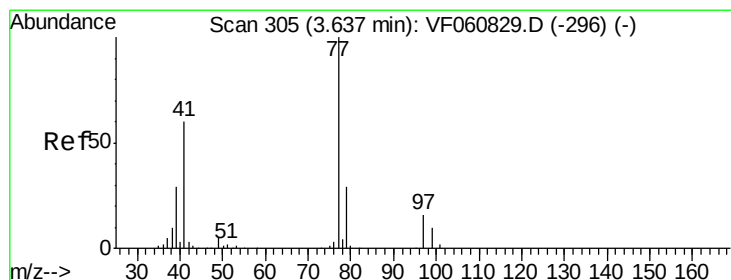
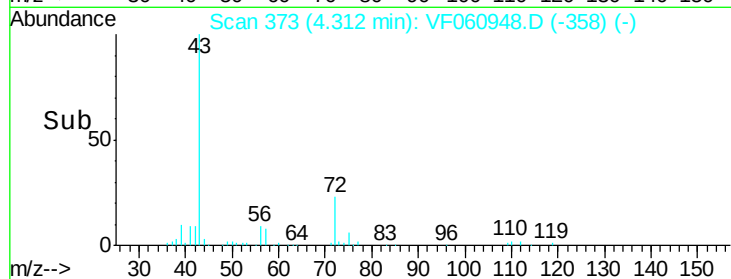
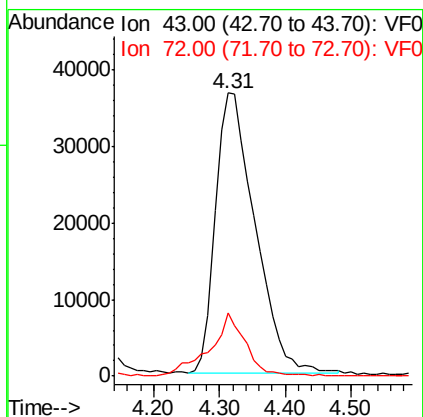
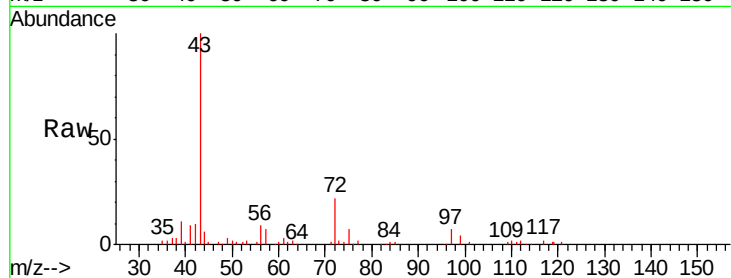
72 22.5 15.4 23.2

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#26

2,2-Dichloropropane

Concen: 50.062 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.05 min

Lab File: VF060948.D

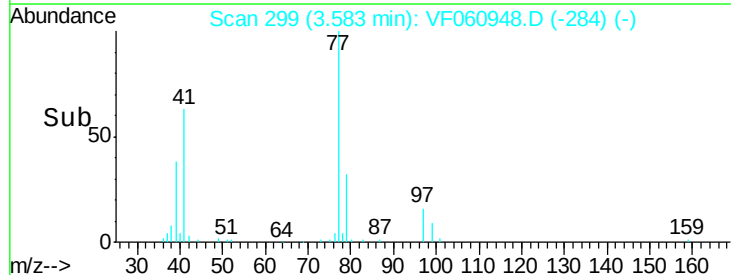
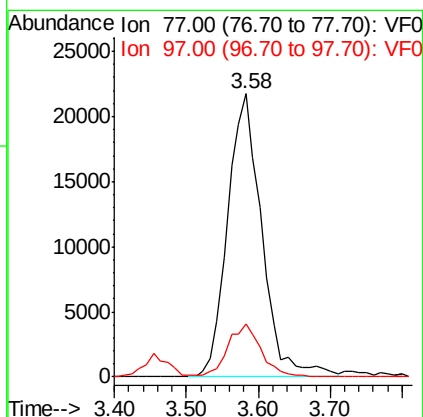
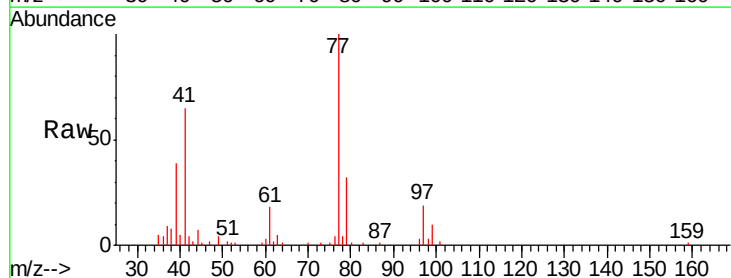
Acq: 8 Dec 2018 00:22

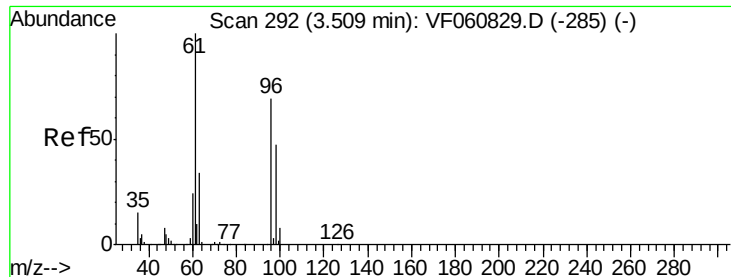
Tgt Ion: 77 Resp: 71903

Ion Ratio Lower Upper

77 100

97 18.8 8.6 25.8





#27

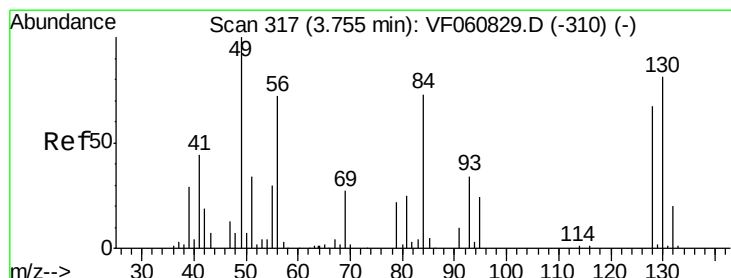
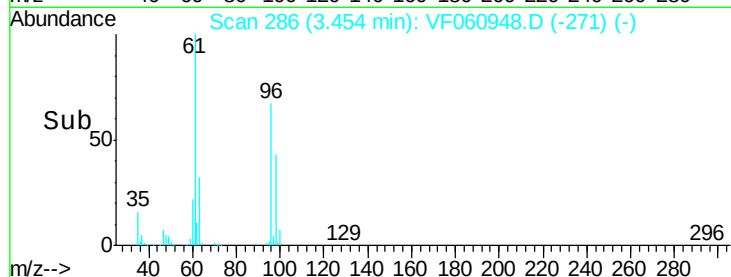
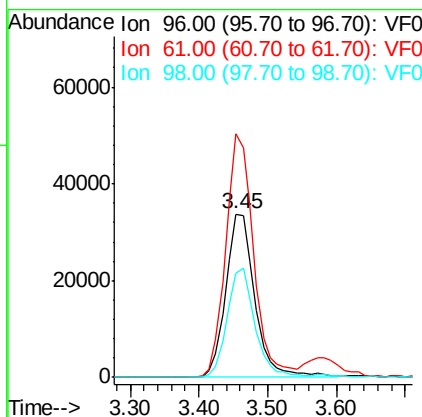
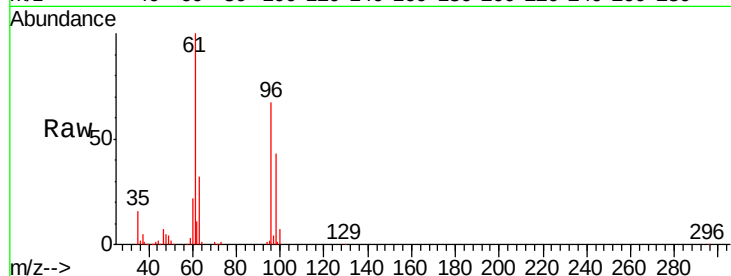
cis-1,2-Dichloroethene
 Concen: 57.295 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.05 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Tgt Ion:	96	Resp:	98696
Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	290.6
98	63.9	0.0	137.8

Manual Integrations
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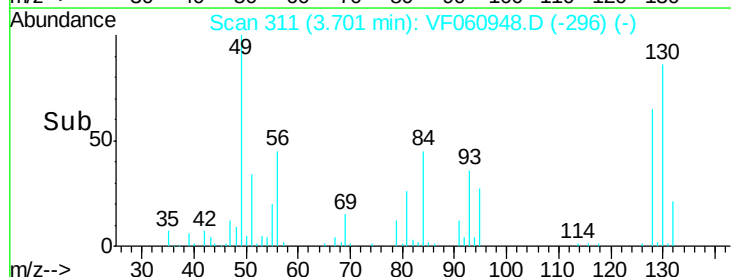
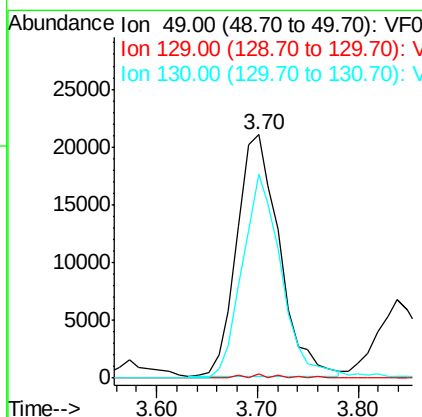
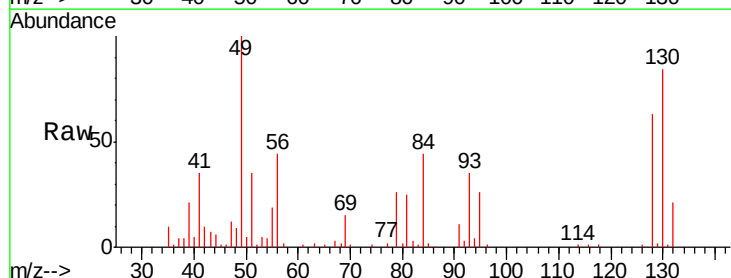
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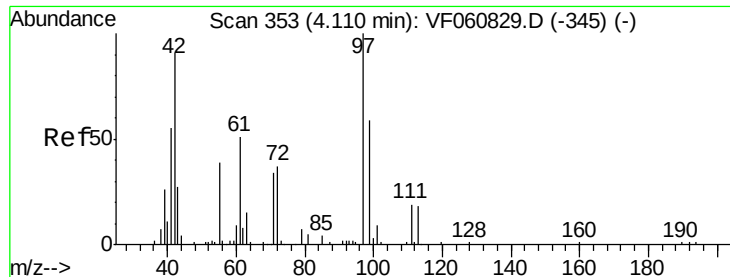


#28

Bromochloromethane
 Concen: 58.174 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.05 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Tgt Ion:	49	Resp:	61852
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	83.9	64.2	96.4





#29

Tetrahydrofuran

Concen: 319.543 ug/l

RT: 4.06 min Scan# 347

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

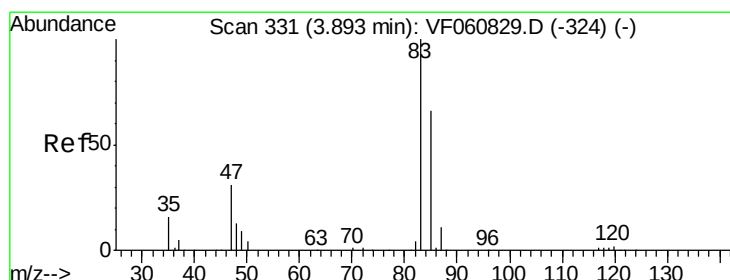
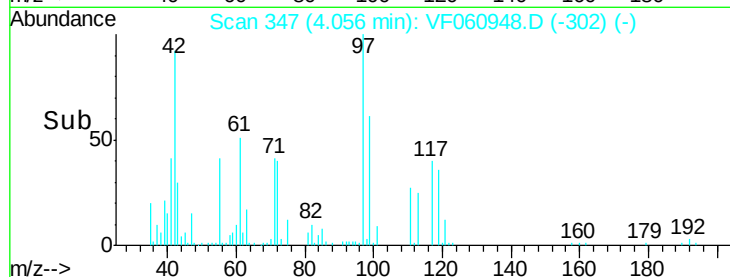
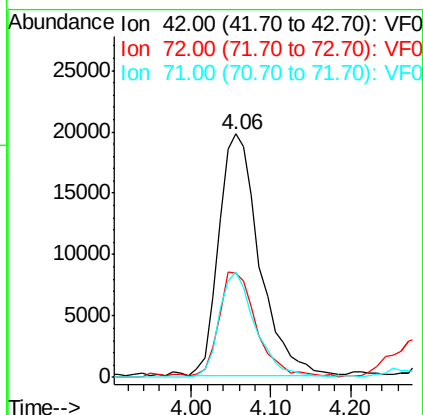
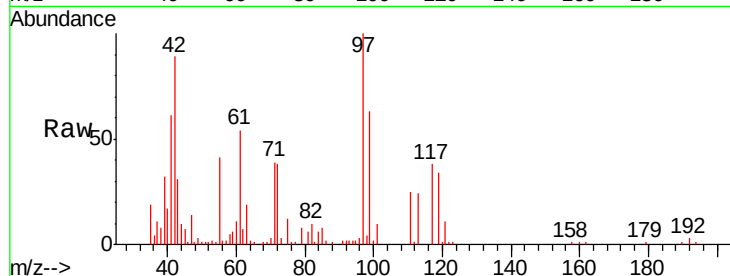
ClientSampleId :

S32-0632MSD

Tgt Ion:	42	Resp:	70545
Ion	Ratio	Lower	Upper
42	100		
72	40.5	31.9	47.9
71	38.7	28.7	43.1

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#30

Chloroform

Concen: 57.179 ug/l

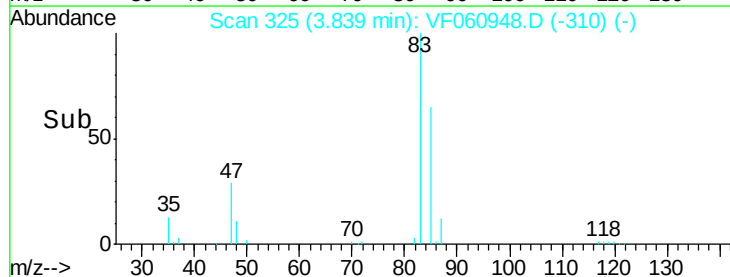
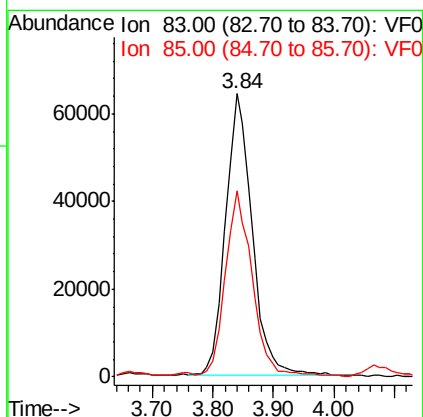
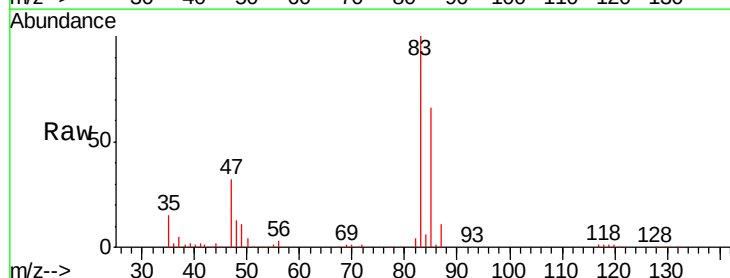
RT: 3.84 min Scan# 325

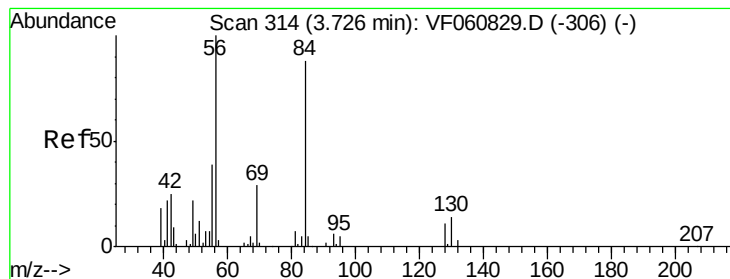
Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion:	83	Resp:	194960
Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.4	80.2





#31

Cyclohexane

Concen: 49.705 ug/l m

RT: 3.68 min Scan# 309

Delta R.T. -0.04 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 56 Resp: 114280

Ion Ratio Lower Upper

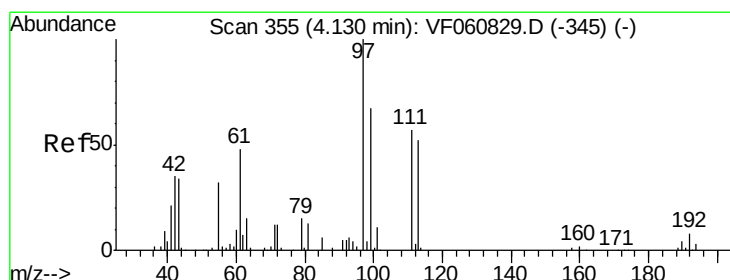
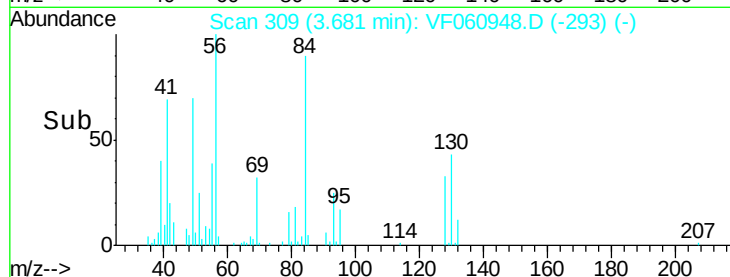
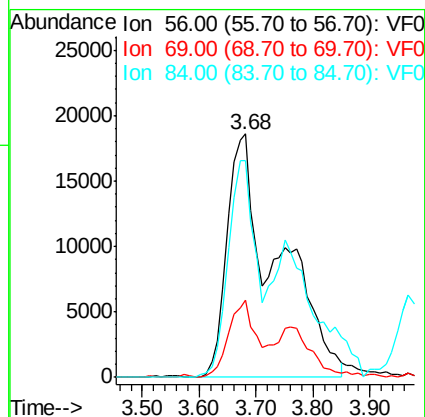
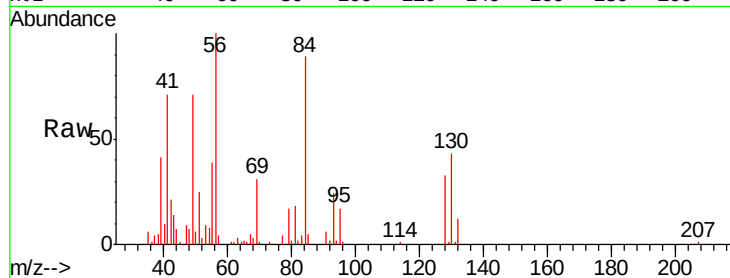
56 100

69 31.5 23.0 34.4

84 89.2 70.4 105.6

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#32

1,1,1-Trichloroethane

Concen: 46.569 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

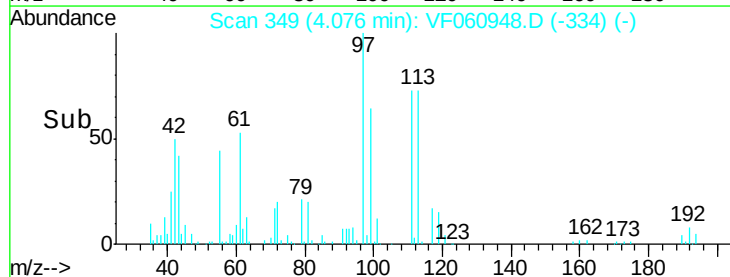
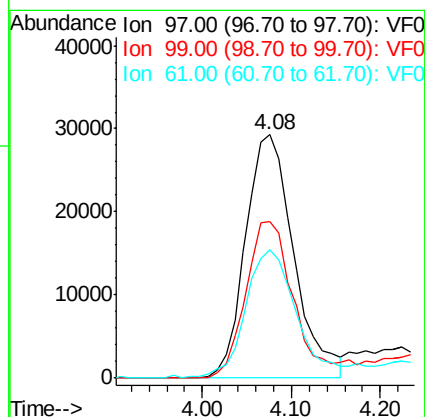
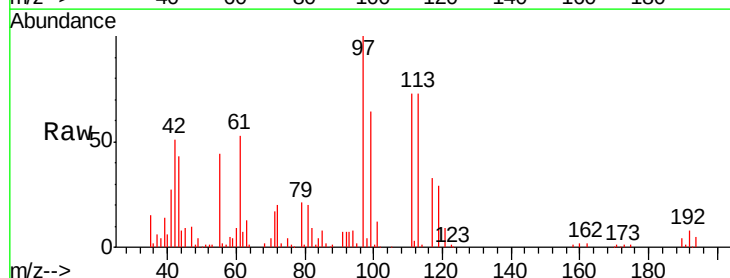
Tgt Ion: 97 Resp: 110121

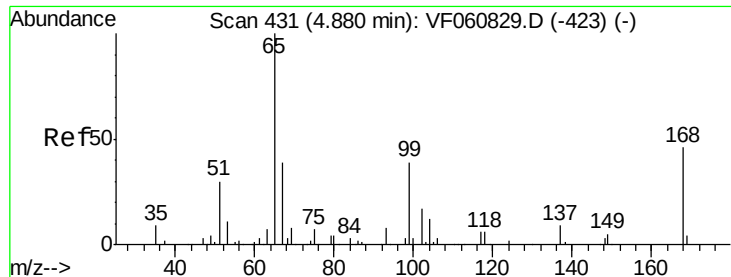
Ion Ratio Lower Upper

97 100

99 64.4 53.5 80.3

61 52.9 38.6 58.0





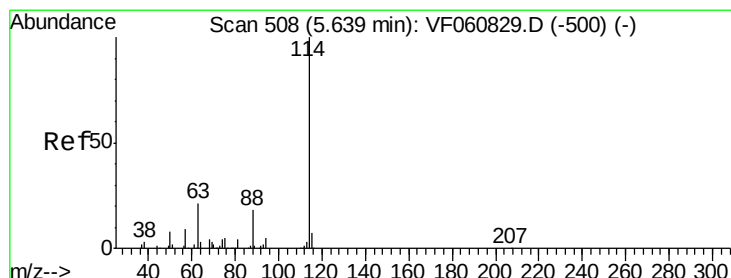
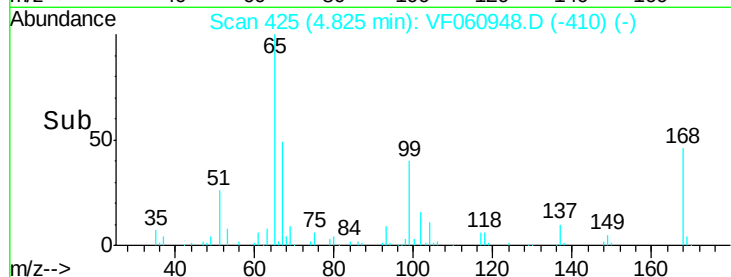
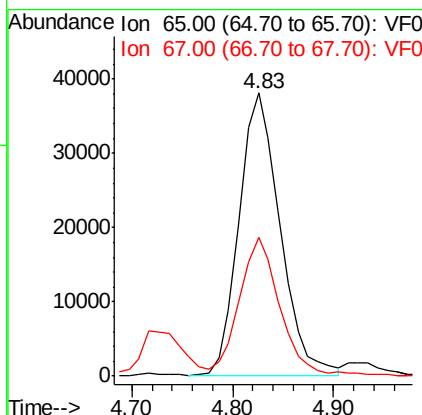
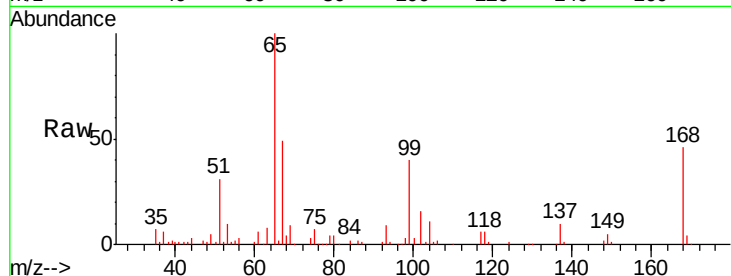
#33
 1,2-Dichloroethane-d4
 Concen: 66.498 ug/l
 RT: 4.83 min Scan# 425
 Delta R.T. -0.05 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Tgt Ion: 65 Resp: 108583
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 96.4

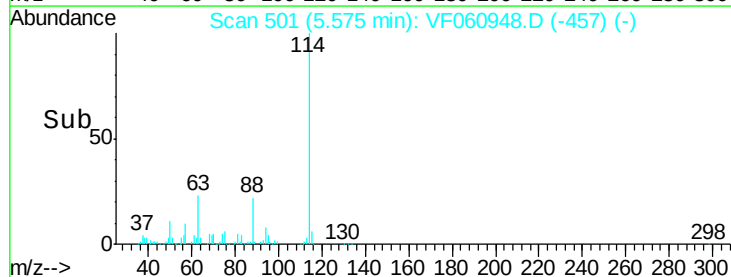
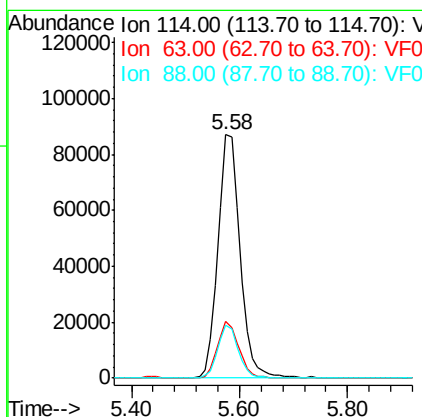
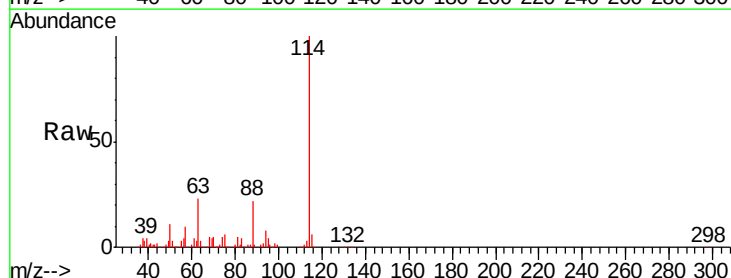
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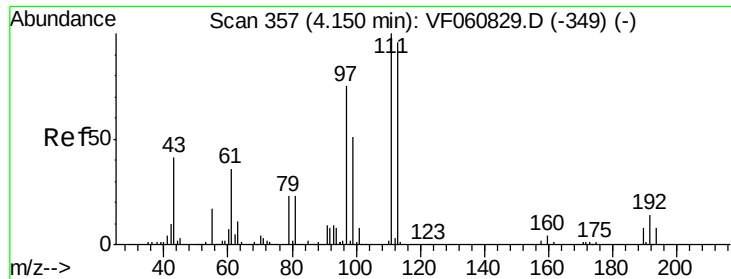
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 501
 Delta R.T. -0.06 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Tgt Ion: 114 Resp: 247027
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 41.6
 88 21.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 54.122 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

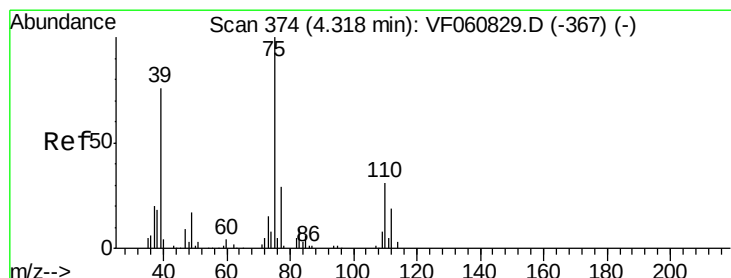
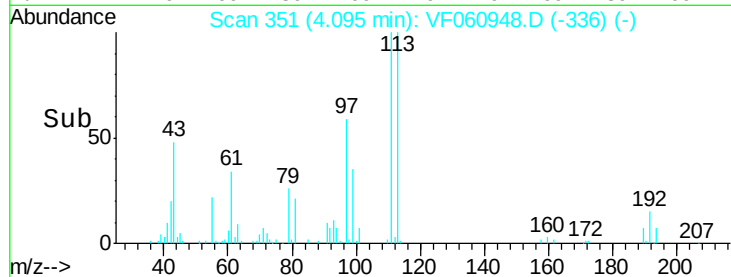
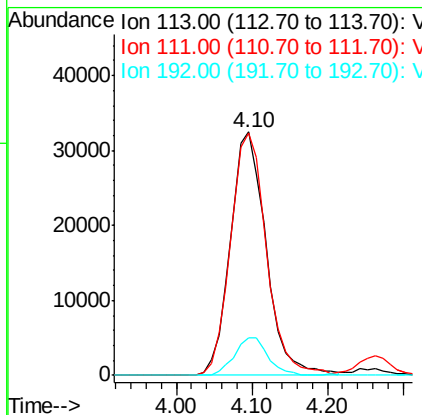
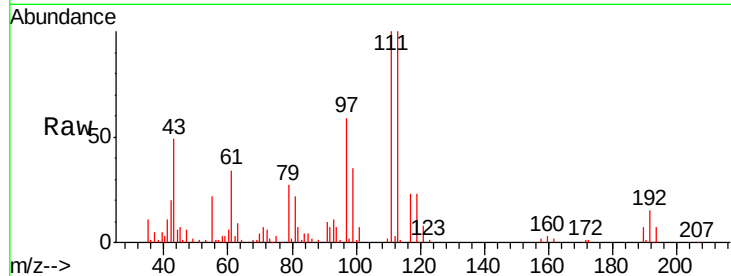
ClientSampleId :

S32-0632MSD

Tgt Ion:	113	Resp:	106065
Ion Ratio	Lower	Upper	
113	100		
111	99.5	83.0	124.6
192	15.4	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 51.170 ug/l

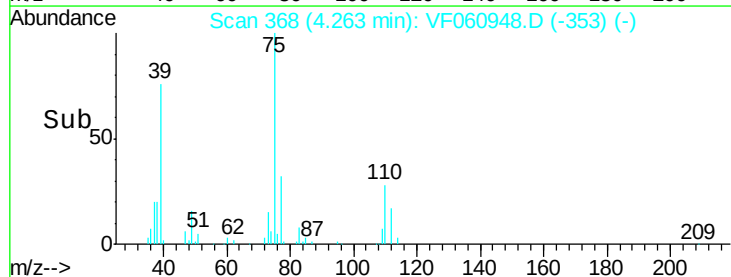
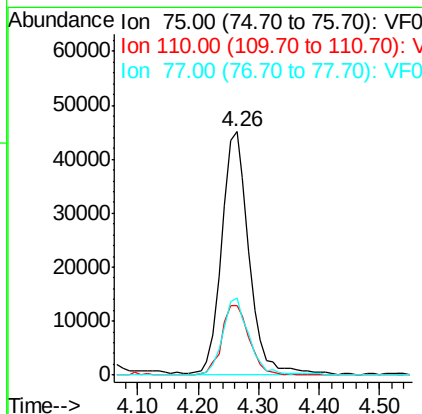
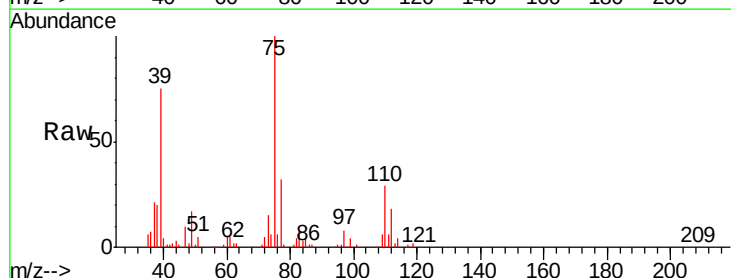
RT: 4.26 min Scan# 368

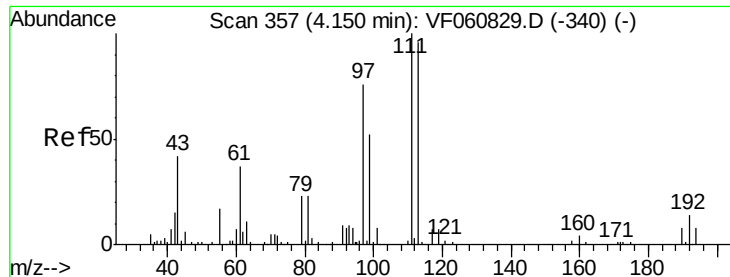
Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion:	75	Resp:	140202
Ion Ratio	Lower	Upper	
75	100		
110	28.6	15.6	46.8
77	31.7	23.4	35.0





#37

Ethyl Acetate

Concen: 60.831 ug/l

RT: 4.09 min Scan# 350

Delta R.T. -0.06 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

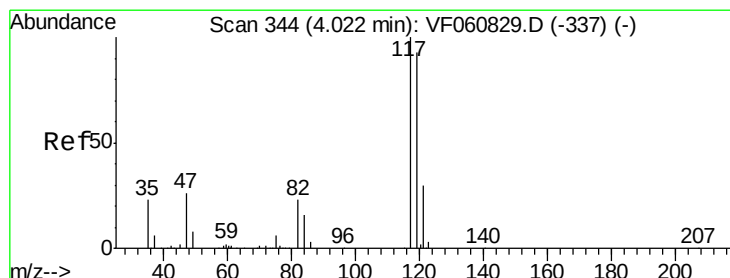
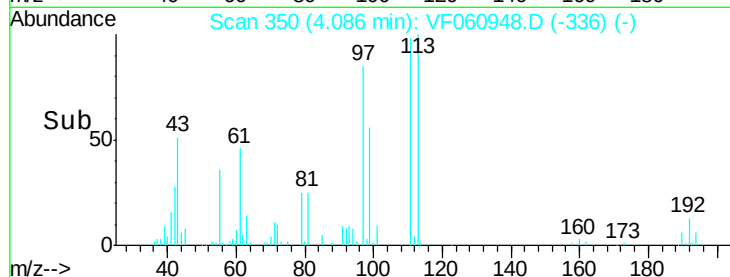
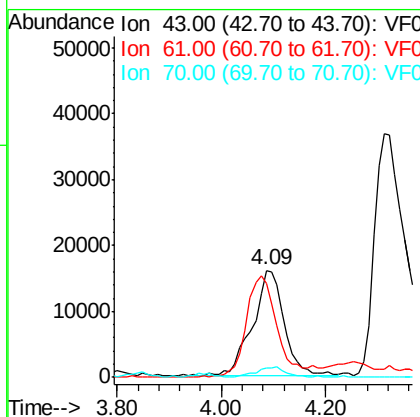
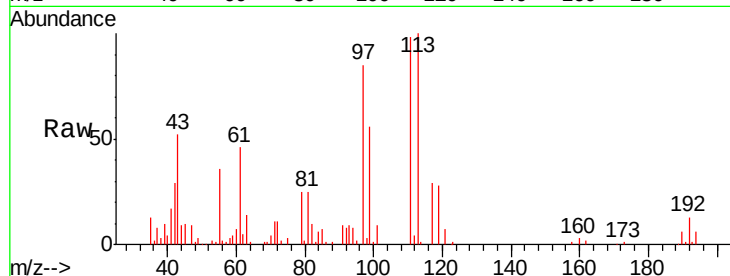
ClientSampleId :

S32-0632MSD

Tgt Ion:	43	Resp:	67732
Ion Ratio	Lower	Upper	
43	100		
61	87.9	68.6	103.0
70	8.5	9.0	13.4

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#38

Carbon Tetrachloride

Concen: 44.532 ug/l

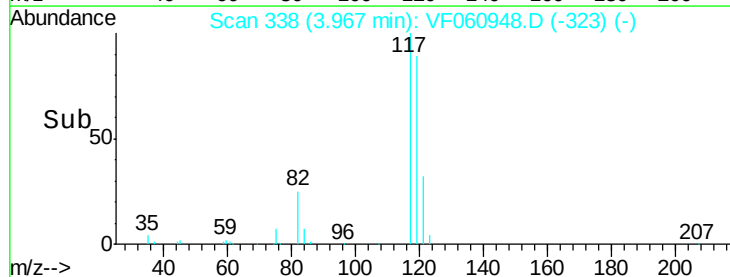
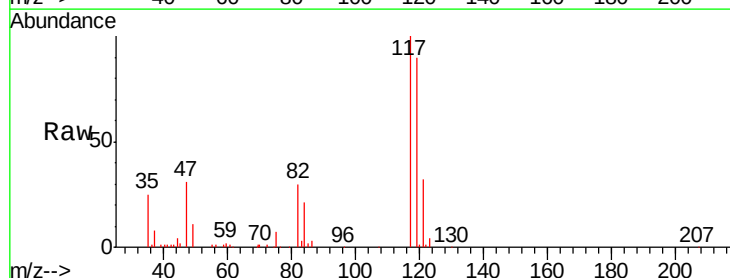
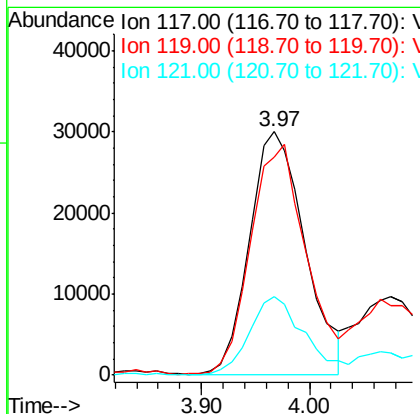
RT: 3.97 min Scan# 338

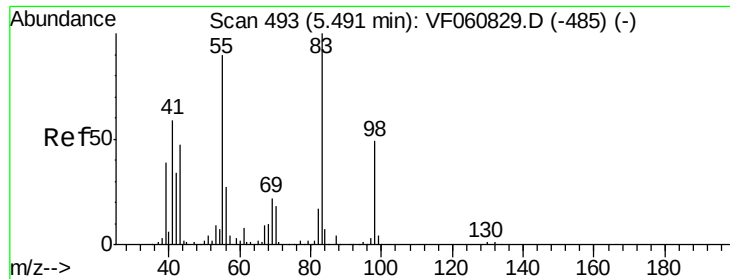
Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion:	117	Resp:	107769
Ion Ratio	Lower	Upper	
117	100		
119	89.6	74.4	111.6
121	32.1	23.5	35.3





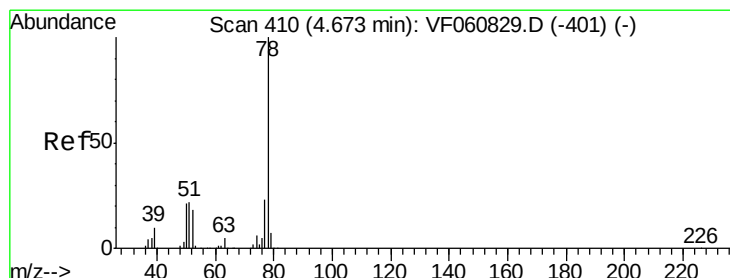
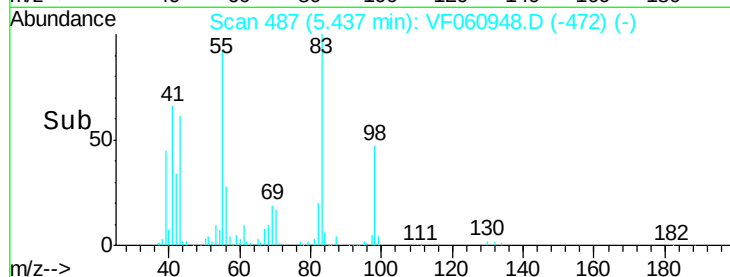
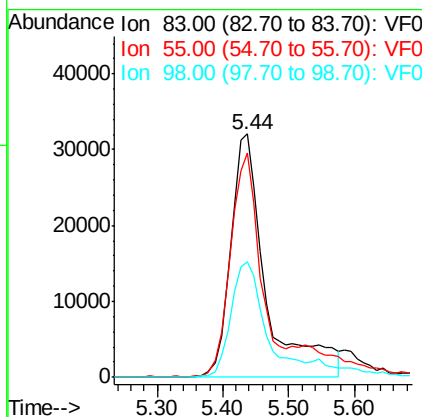
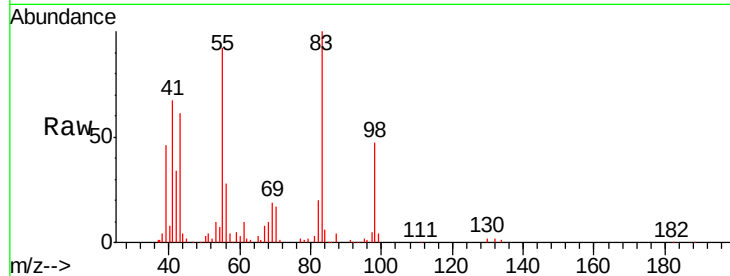
#39
Methylcyclohexane
Concen: 42.495 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.1	72.1	108.1
98	47.5	39.1	58.7

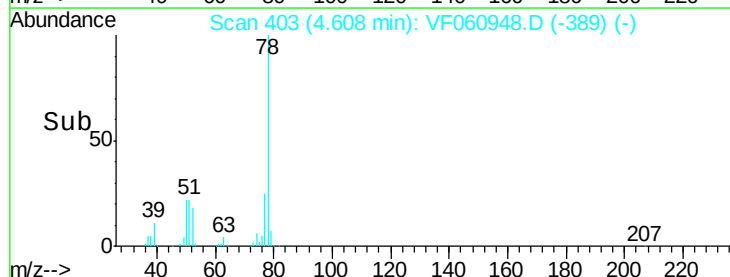
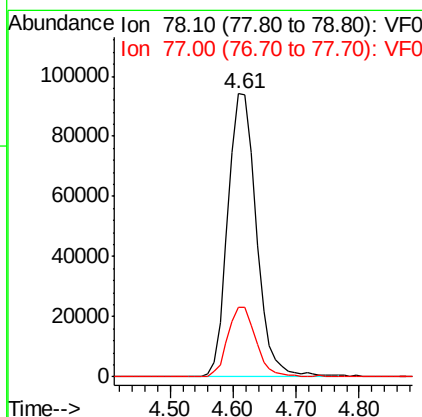
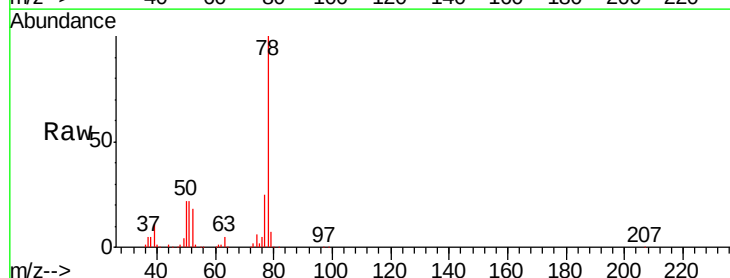
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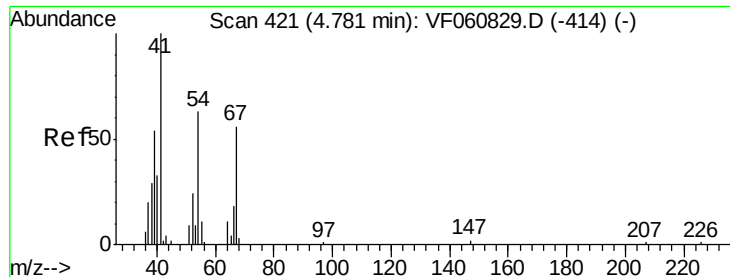
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#40
Benzene
Concen: 48.995 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.06 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.7	28.1





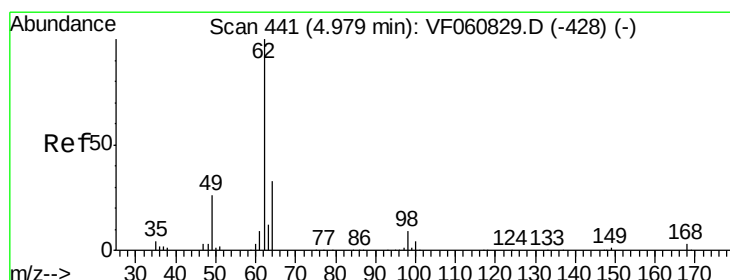
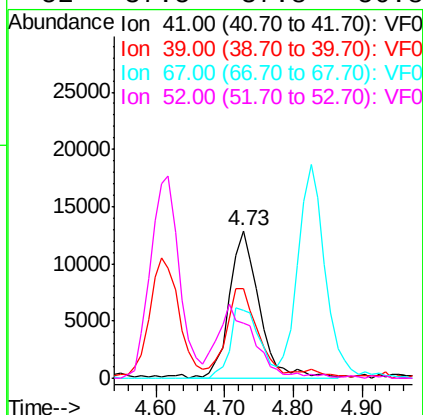
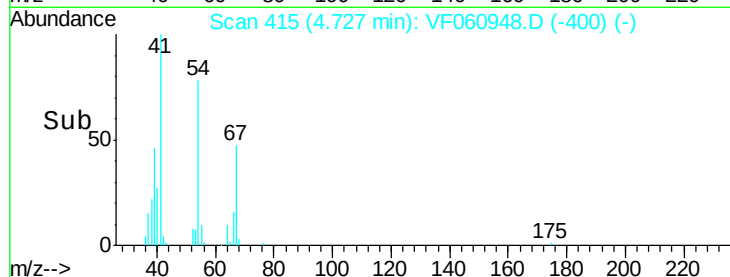
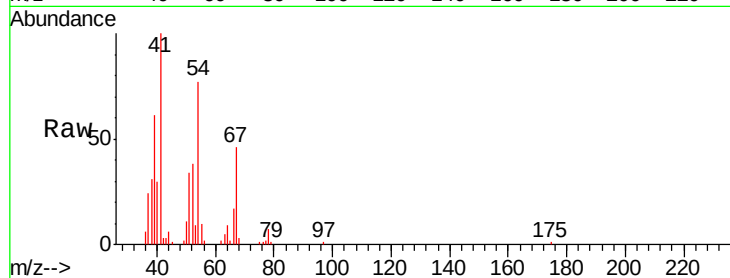
#41
Methacrylonitrile
Concen: 68.860 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.6	53.0	79.6
67	46.3	43.8	65.6
52	37.5	37.8	56.8#

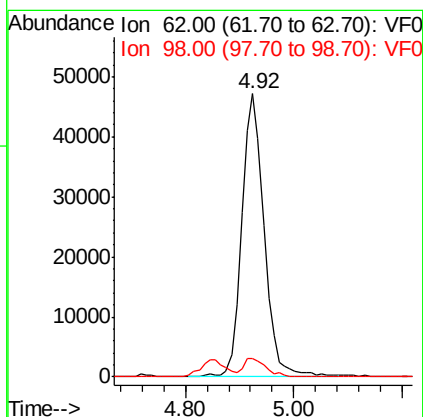
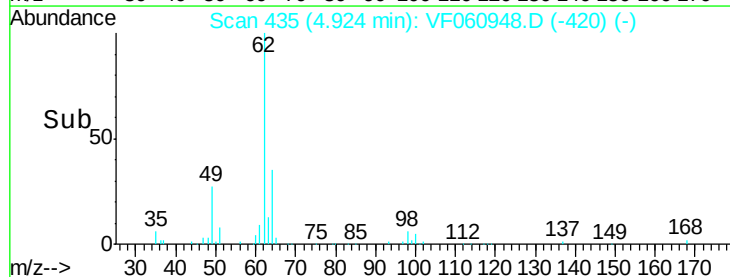
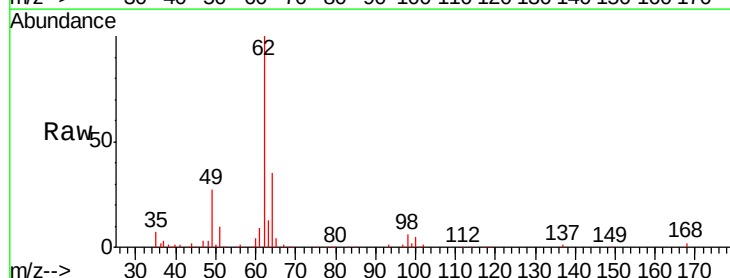
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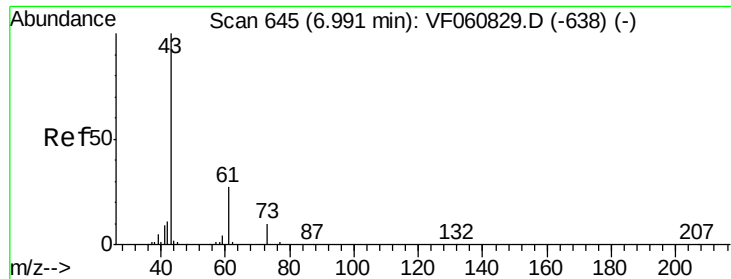
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#42
1,2-Dichloroethane
Concen: 61.338 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	17.2





#43

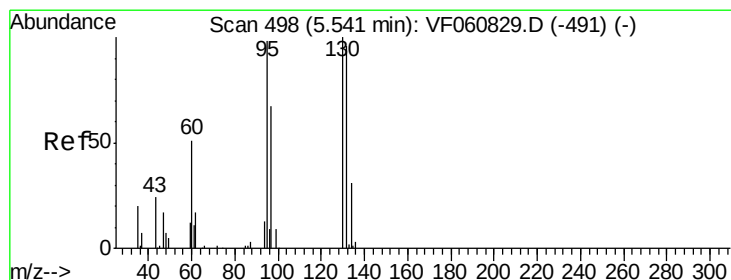
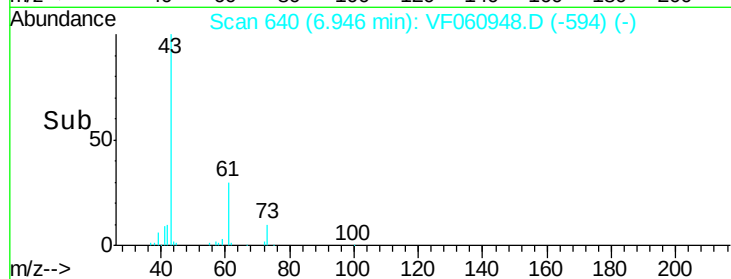
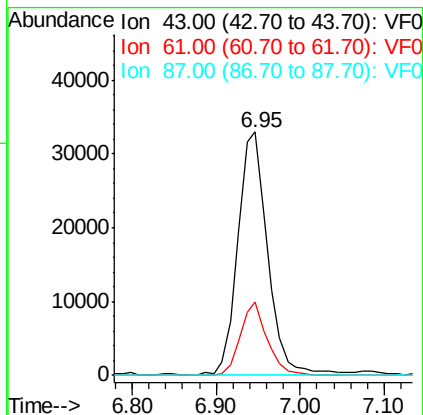
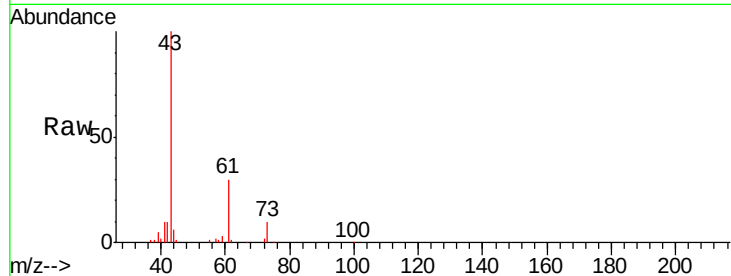
Isopropyl Acetate
 Concen: 60.114 ug/l
 RT: 6.95 min Scan# 640
 Delta R.T. -0.04 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.2	21.4	32.0
87	0.0	0.2	0.4

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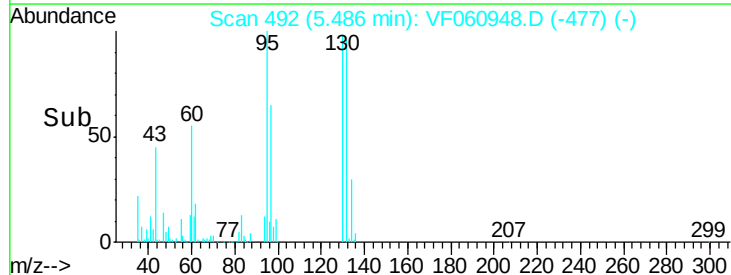
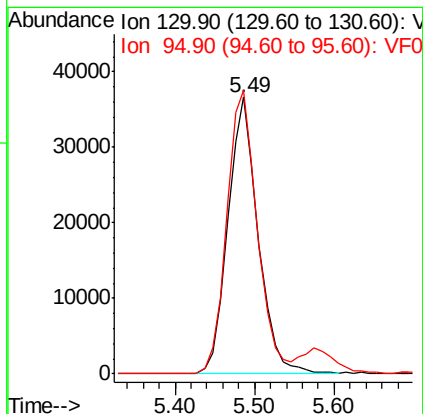
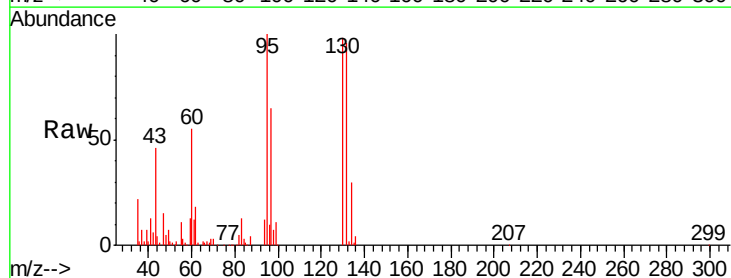
apatel
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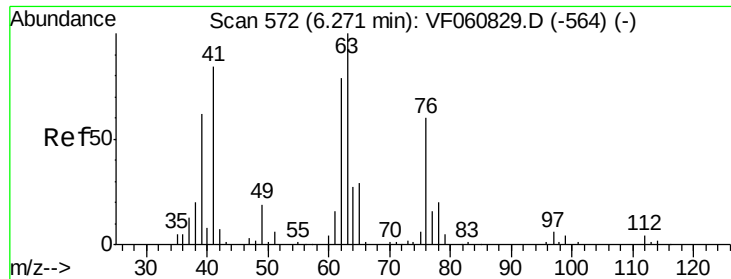


#44

Trichloroethene
 Concen: 48.889 ug/l
 RT: 5.49 min Scan# 492
 Delta R.T. -0.05 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	195.6





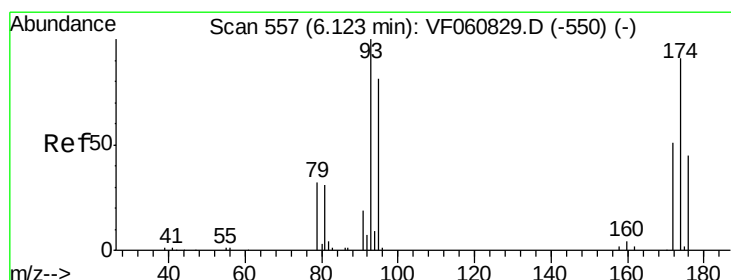
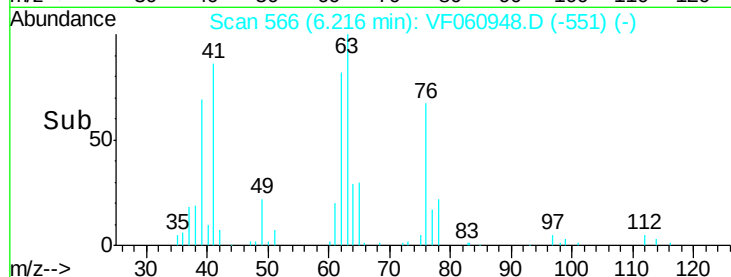
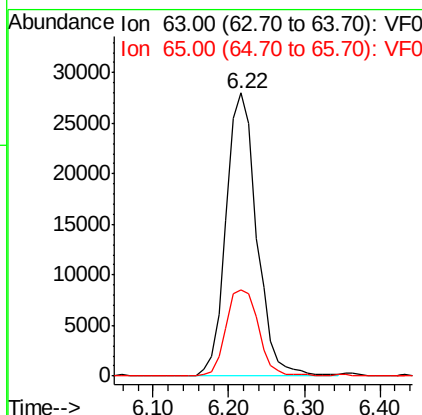
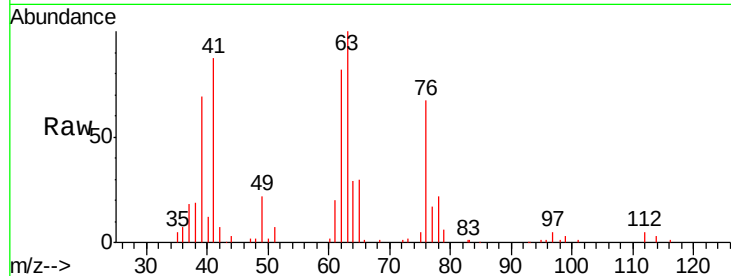
#45
 1,2-Dichloropropane
 Concen: 50.144 ug/l
 RT: 6.22 min Scan# 566
 Delta R.T. -0.05 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Tgt Ion: 63 Resp: 78830
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.2 34.8

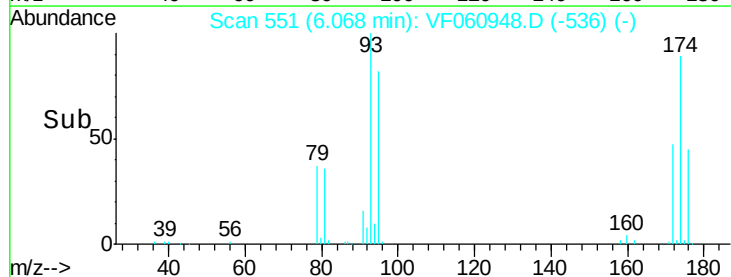
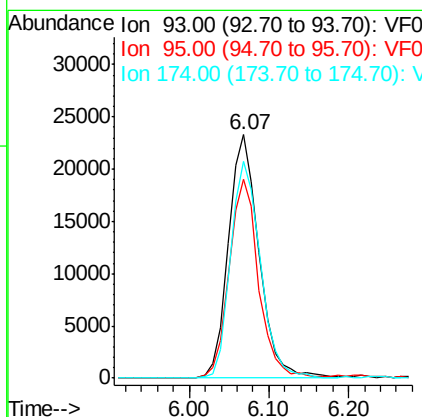
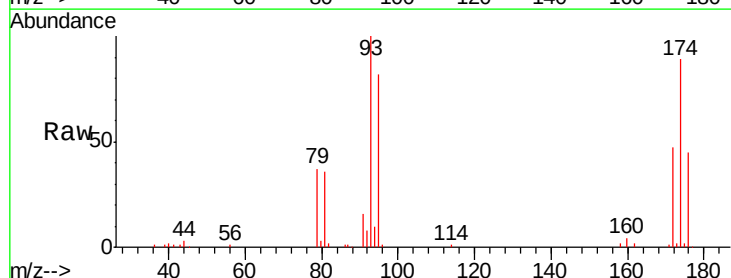
Manual Integrations
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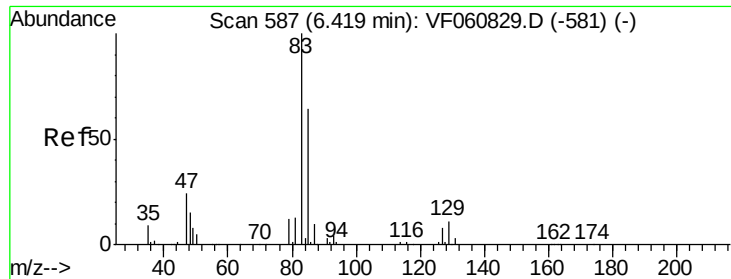
apatel
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#46
 Dibromomethane
 Concen: 58.682 ug/l
 RT: 6.07 min Scan# 551
 Delta R.T. -0.05 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Tgt Ion: 93 Resp: 62581
 Ion Ratio Lower Upper
 93 100
 95 81.7 64.7 97.1
 174 89.0 73.0 109.6





#47

Bromodichloromethane

Concen: 57.373 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

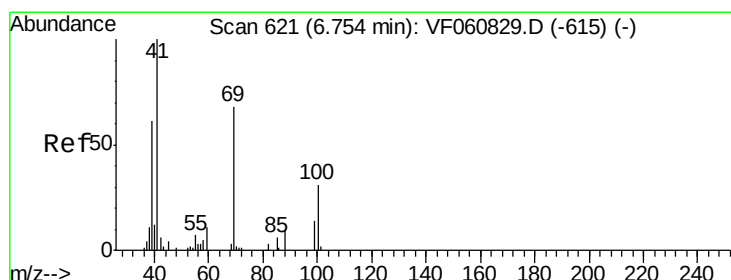
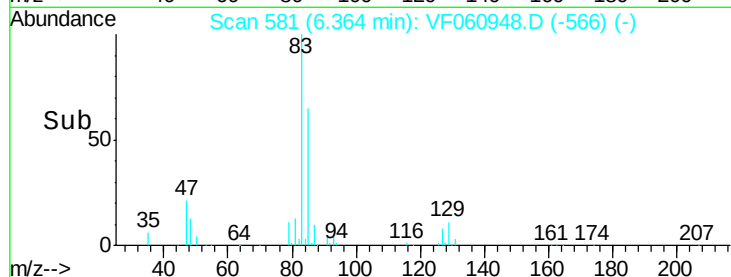
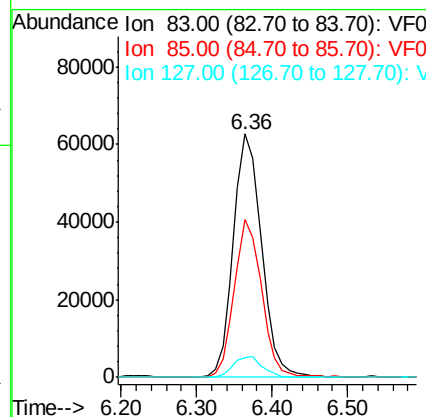
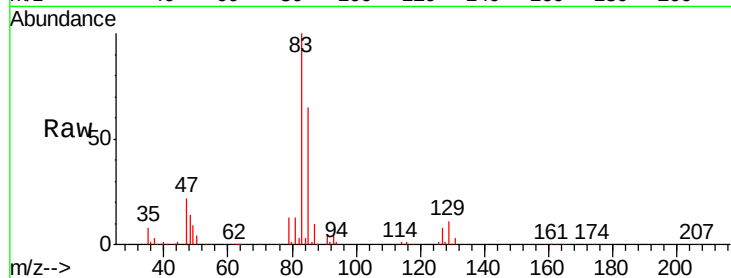
ClientSampleId :

S32-0632MSD

Tgt Ion:	83	Resp:	162507
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7
127	8.3	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.722 ug/l

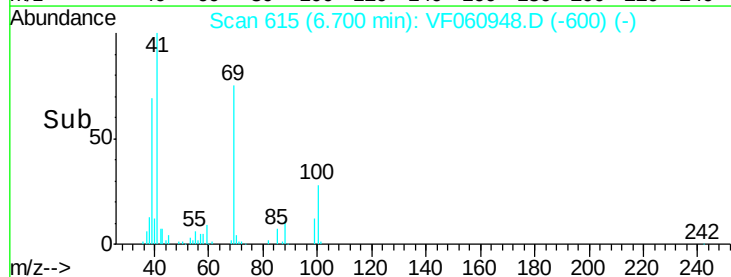
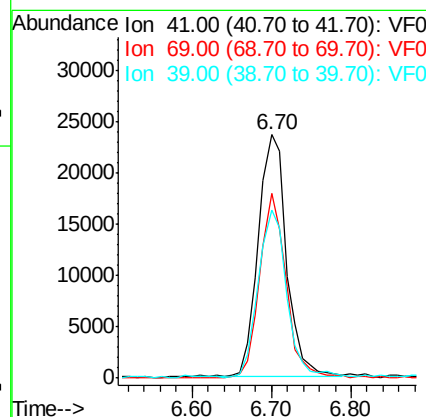
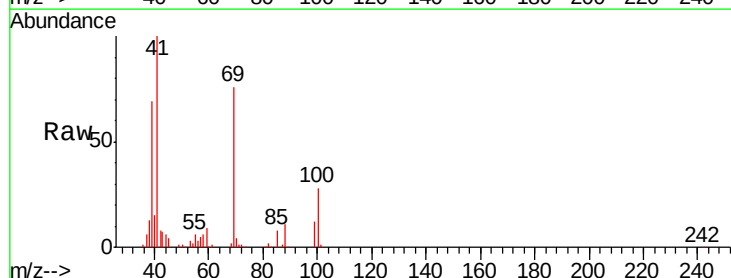
RT: 6.70 min Scan# 615

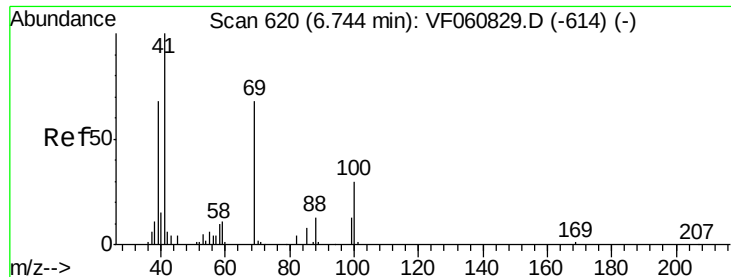
Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion:	41	Resp:	58176
Ion	Ratio	Lower	Upper
41	100		
69	75.8	53.9	80.9
39	69.1	49.0	73.6





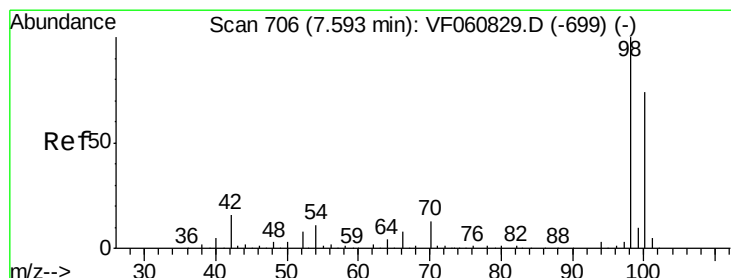
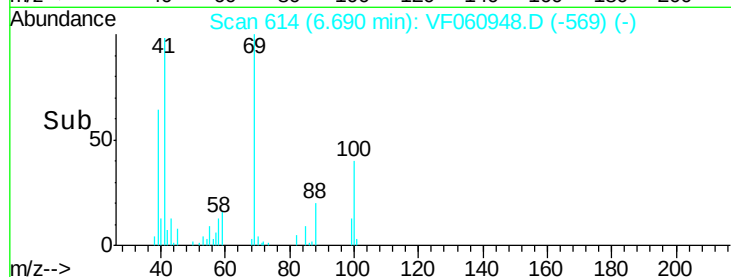
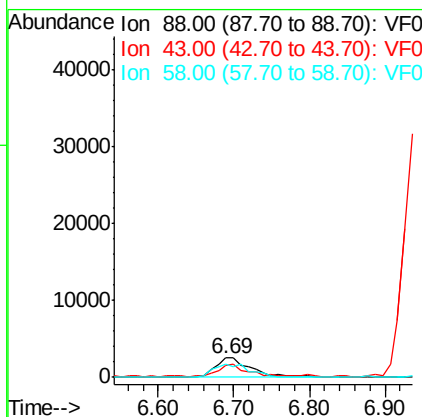
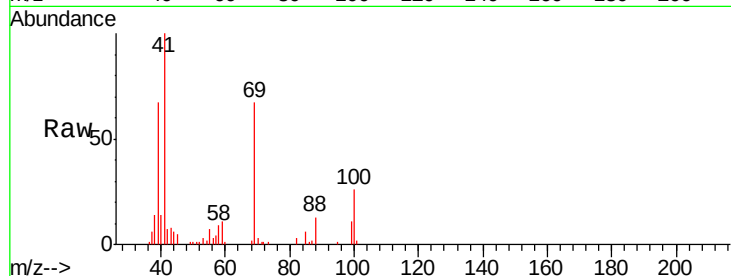
#49
1,4-Dioxane
Concen: 1144.086 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	8439		
43	63.2		42.0	63.0#
58	66.3		61.8	92.8

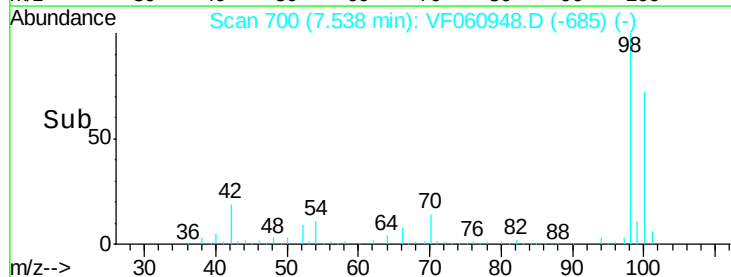
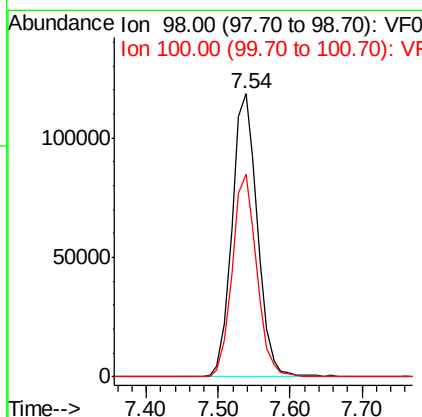
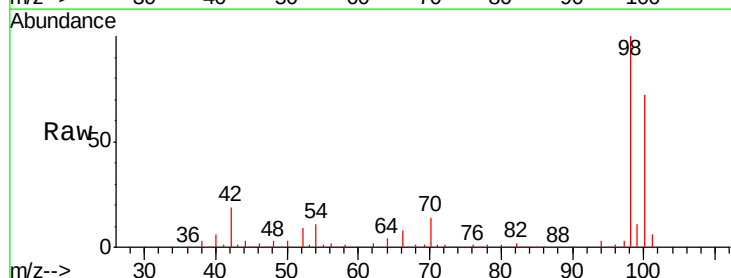
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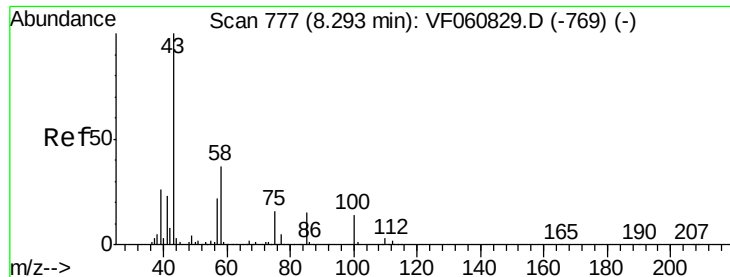
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#50
Toluene-d8
Concen: 50.557 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	291852		
100	71.7		59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 307.484 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 43 Resp: 315715

Ion Ratio Lower Upper

43 100

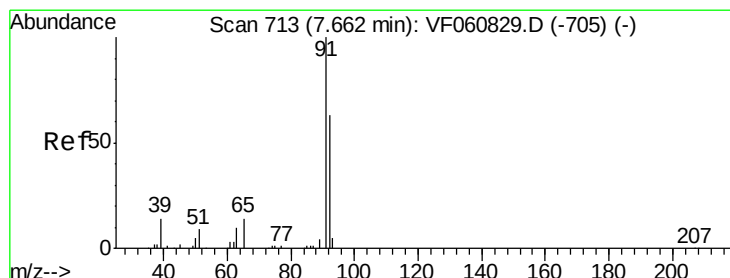
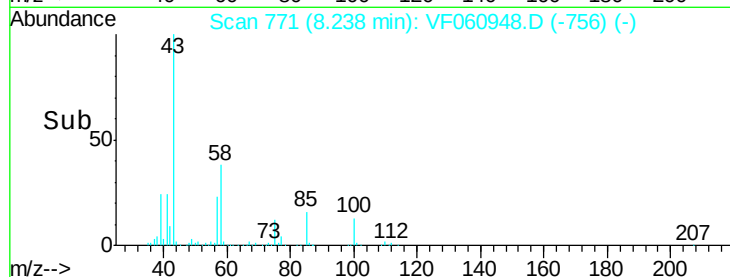
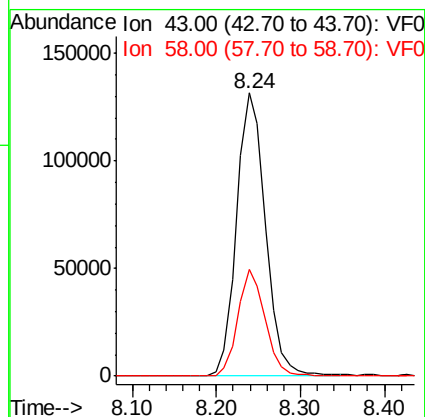
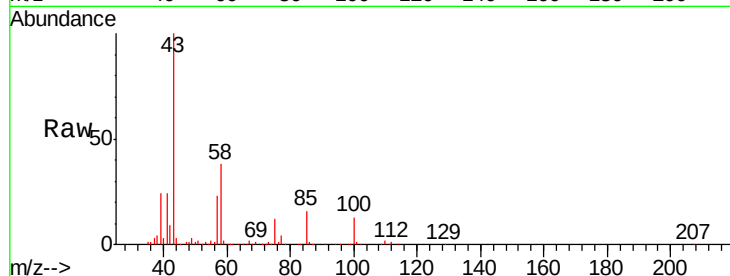
58 37.8 29.7 44.5

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#52

Toluene

Concen: 44.577 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.05 min

Lab File: VF060948.D

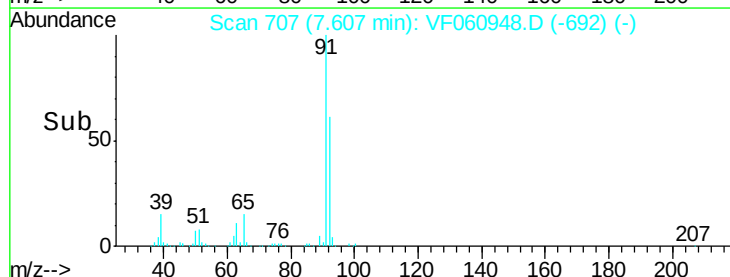
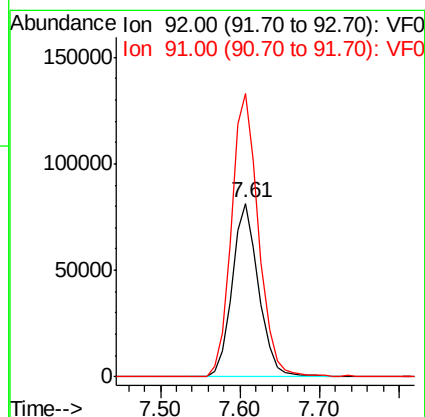
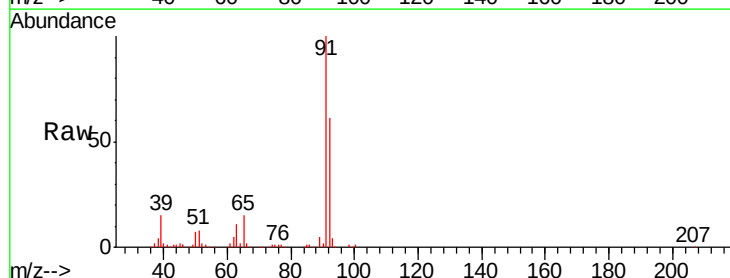
Acq: 8 Dec 2018 00:22

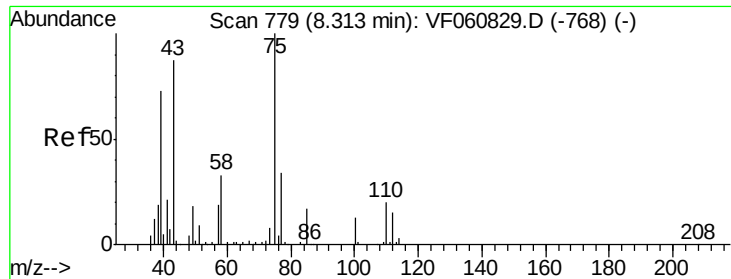
Tgt Ion: 92 Resp: 189533

Ion Ratio Lower Upper

92 100

91 163.1 126.2 189.2





#53

t-1,3-Dichloropropene

Concen: 52.589 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 75 Resp: 121163

Ion Ratio Lower Upper

75 100

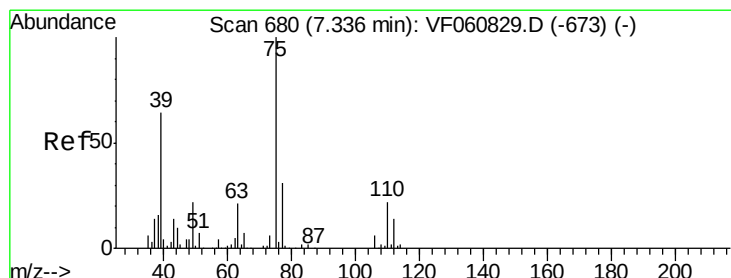
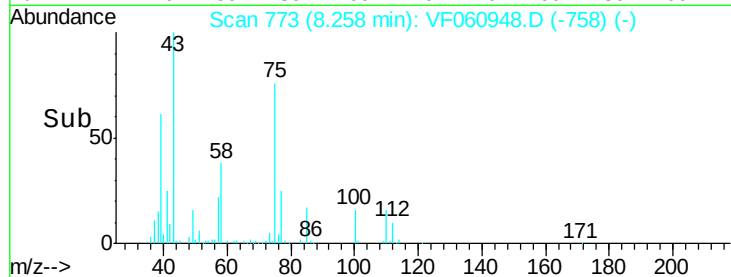
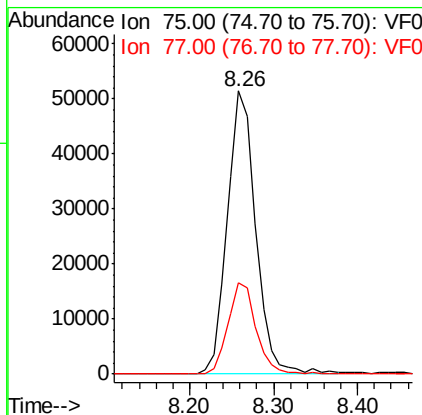
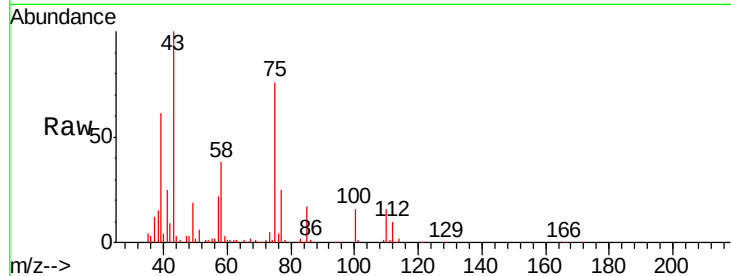
77 32.3 27.4 41.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.168 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

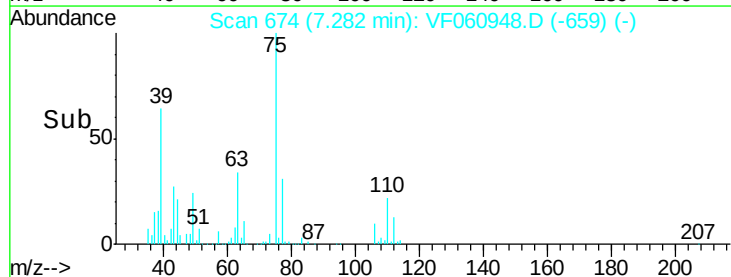
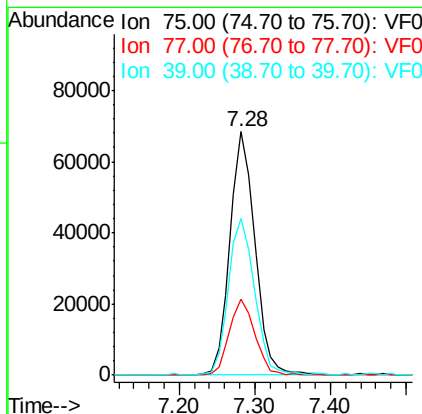
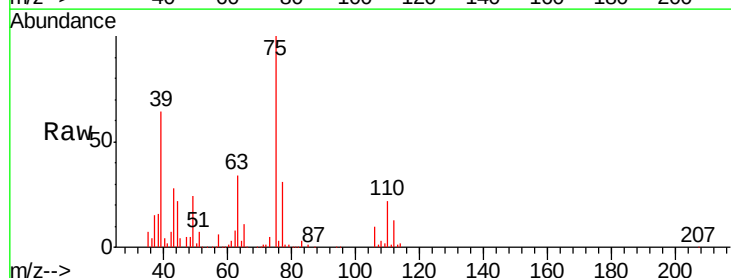
Tgt Ion: 75 Resp: 157352

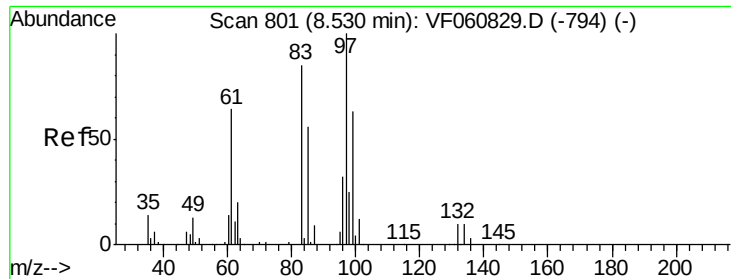
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 64.4 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 57.317 ug/l

RT: 8.48 min Scan# 795

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

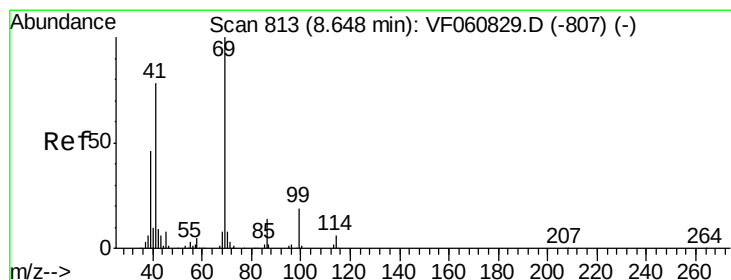
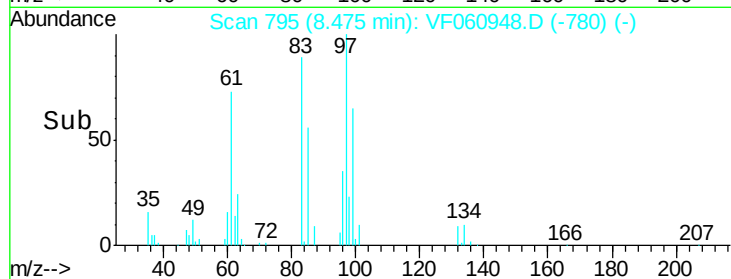
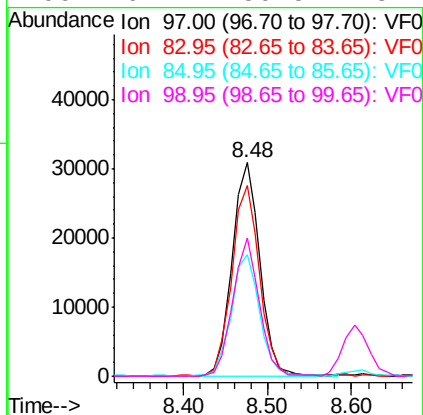
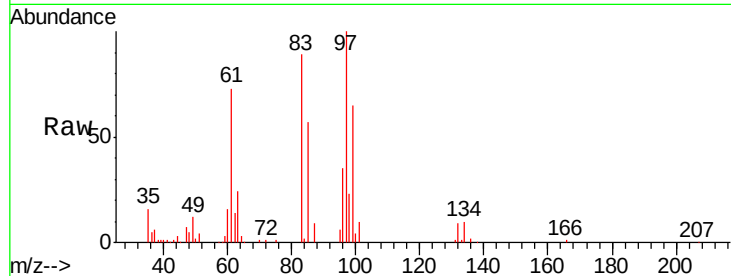
ClientSampleId :

S32-0632MSD

Tgt Ion:	97	Resp:	71011
Ion	Ratio	Lower	Upper
97	100		
83	89.3	67.8	101.6
85	57.0	45.0	67.6
99	64.7	50.5	75.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.347 ug/l

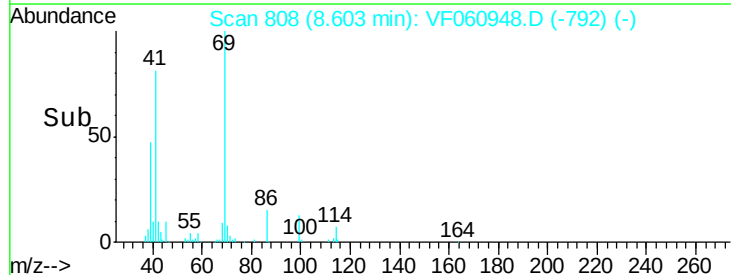
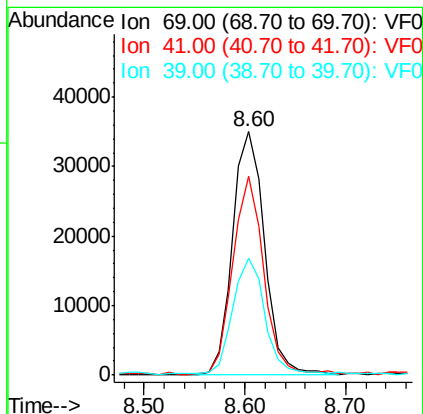
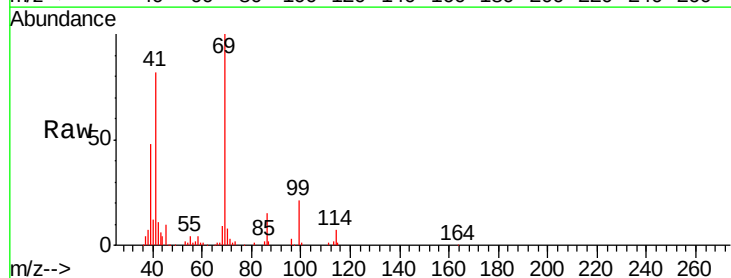
RT: 8.60 min Scan# 808

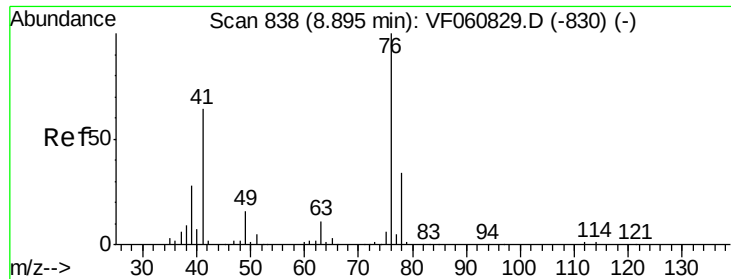
Delta R.T. -0.04 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion:	69	Resp:	77549
Ion	Ratio	Lower	Upper
69	100		
41	81.8	62.6	94.0
39	47.9	37.8	56.6





#57

1,3-Dichloropropane

Concen: 58.045 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 76 Resp: 125815

Ion Ratio Lower Upper

76 100

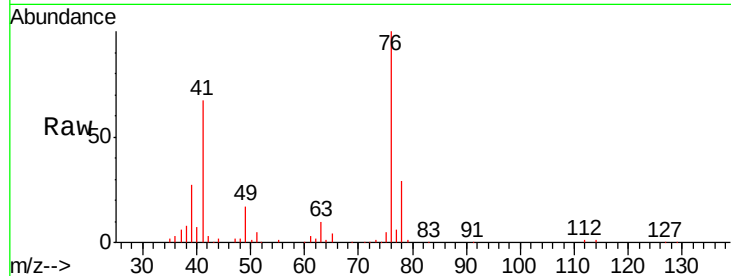
78 29.2 27.0 40.4

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

60000

50000

40000

30000

20000

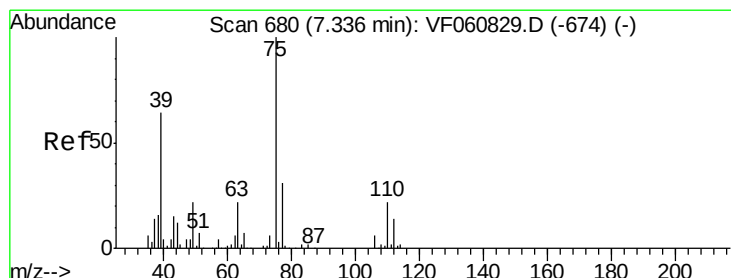
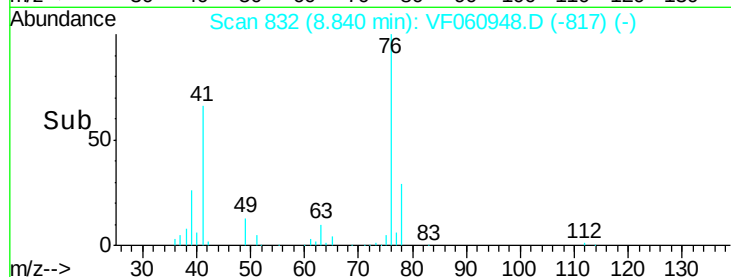
10000

0

8.84

8.80 8.85 8.90

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 393.619 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.05 min

Lab File: VF060948.D

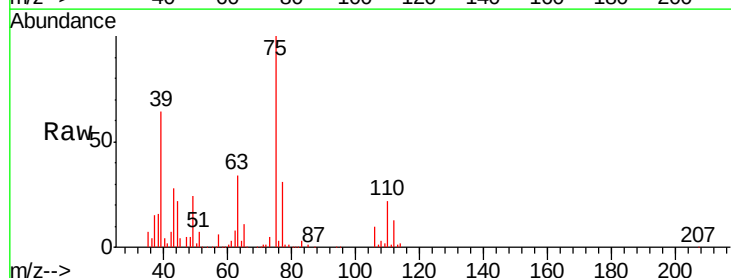
Acq: 8 Dec 2018 00:22

Tgt Ion: 63 Resp: 55411

Ion Ratio Lower Upper

63 100

106 28.1 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

25000

20000

15000

10000

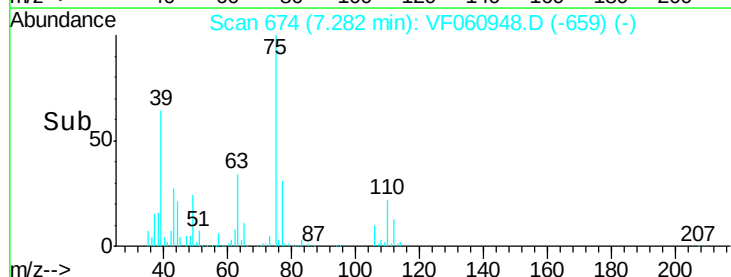
5000

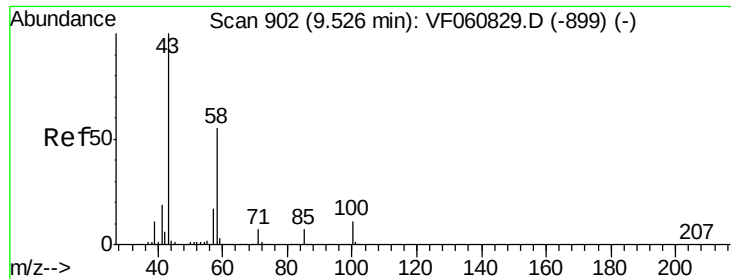
0

7.28

7.20 7.25 7.30 7.35 7.40

Time-->





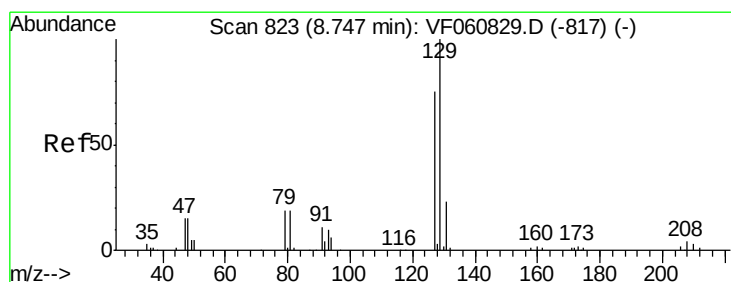
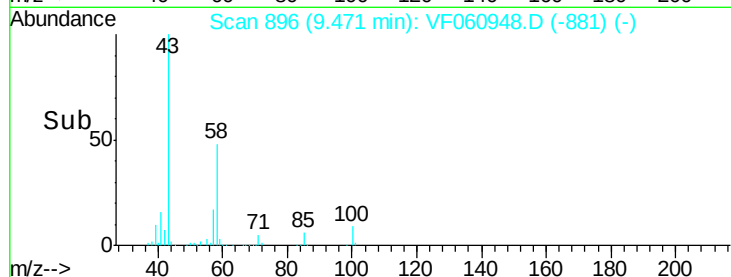
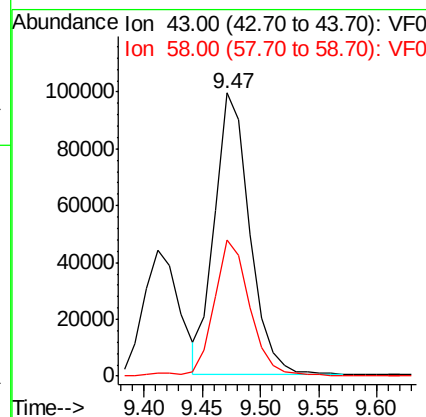
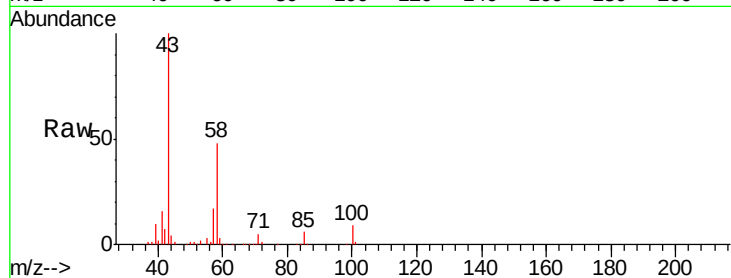
#59
2-Hexanone
Concen: 287.211 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion: 43 Resp: 206890
Ion Ratio Lower Upper
43 100
58 47.9 25.6 76.6

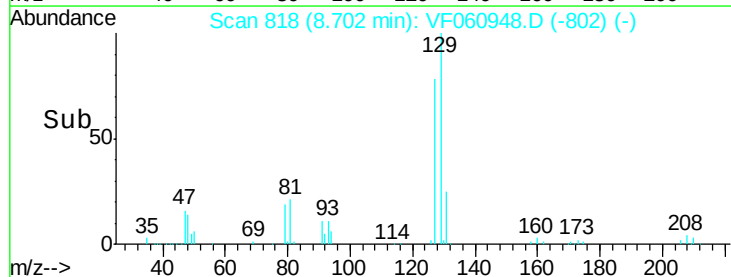
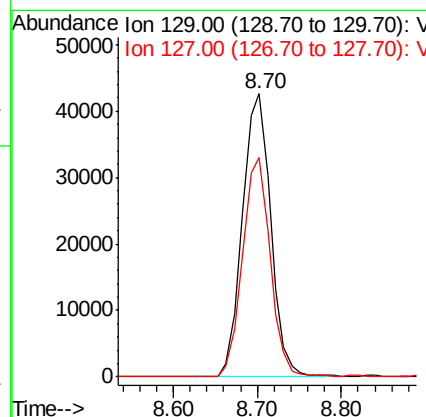
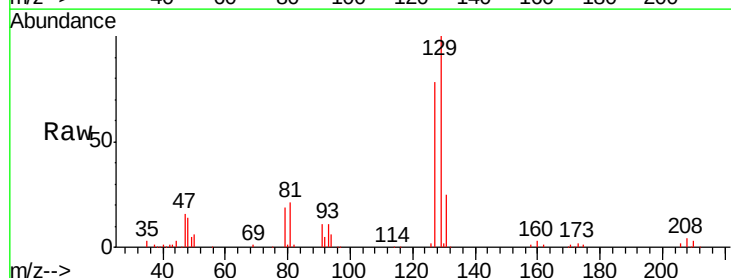
Manual Integrations
APPROVED

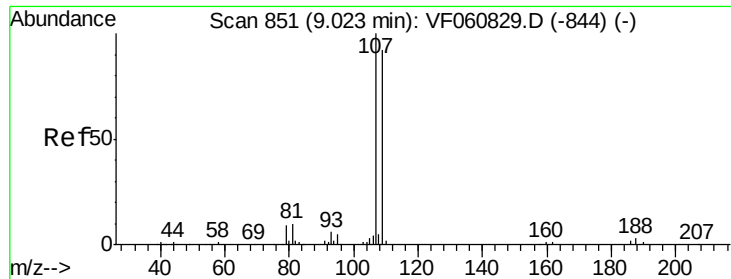
apatel
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#60
Dibromochloromethane
Concen: 54.362 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.04 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion: 129 Resp: 100350
Ion Ratio Lower Upper
129 100
127 77.5 37.3 111.9





#61

1,2-Dibromoethane

Concen: 55.710 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 107 Resp: 74561

Ion Ratio Lower Upper

107 100

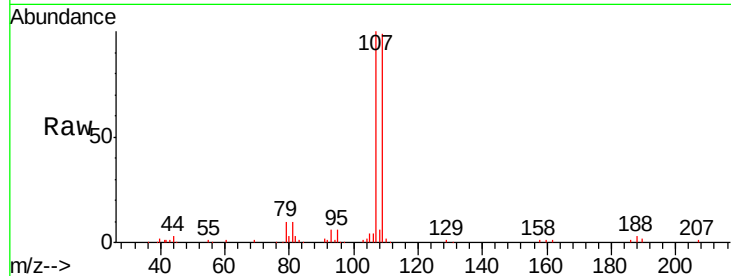
109 98.8 73.6 110.4

Manual Integrations

APPROVED

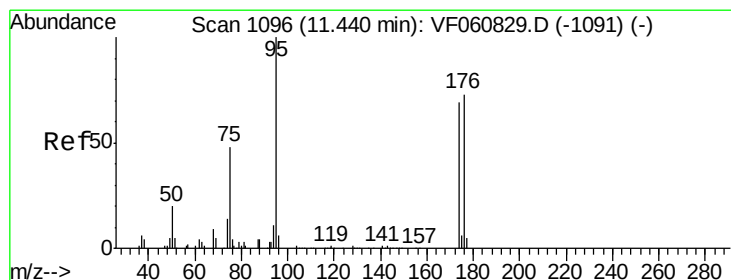
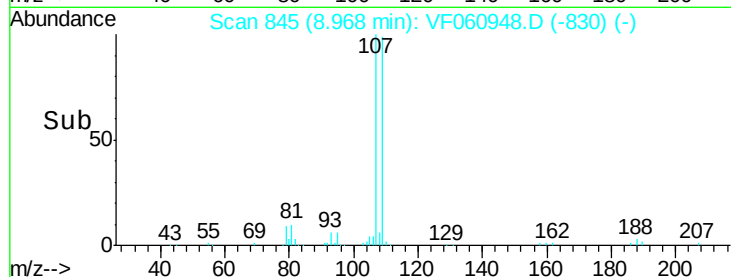
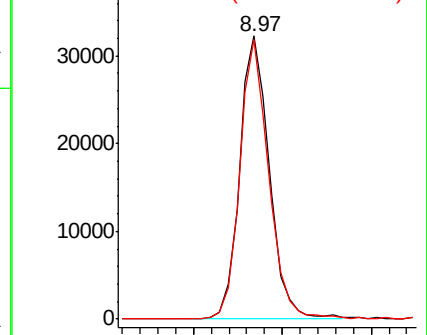
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.355 ug/l m

RT: 11.40 min Scan# 1091

Delta R.T. -0.04 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

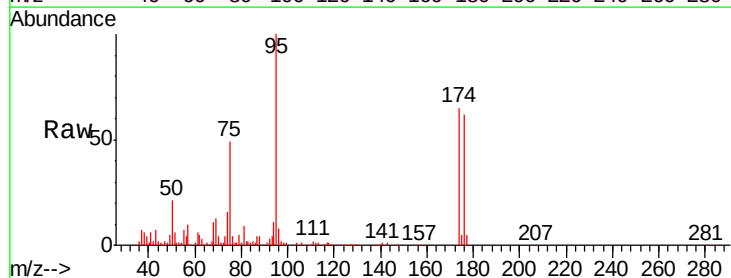
Tgt Ion: 95 Resp: 137362

Ion Ratio Lower Upper

95 100

174 65.2 0.0 138.2

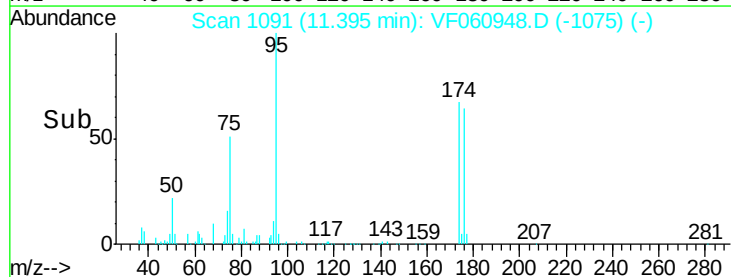
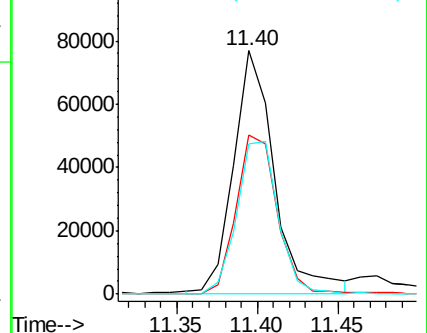
176 61.8 0.0 146.2

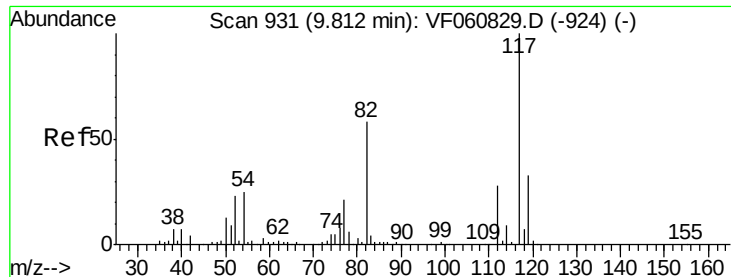


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





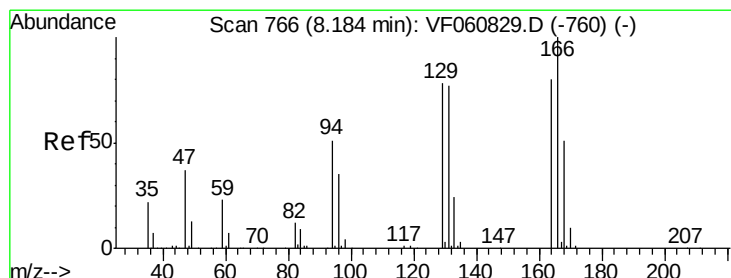
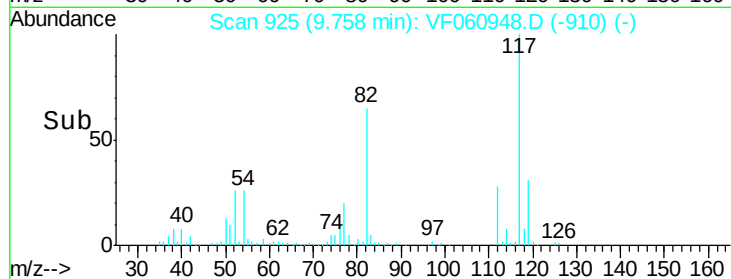
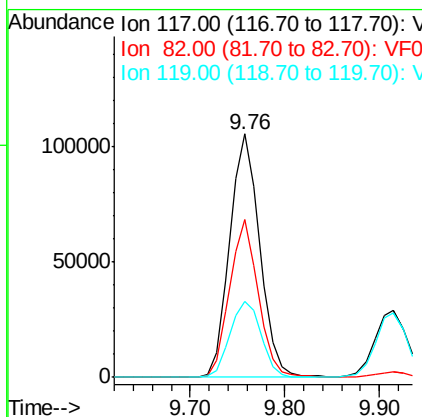
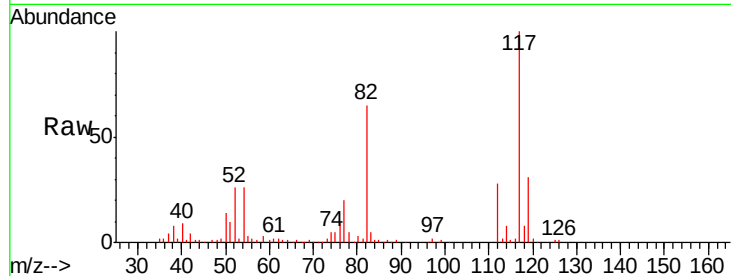
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	231927		
82	64.9	46.6	69.8	
119	31.3	26.4	39.6	

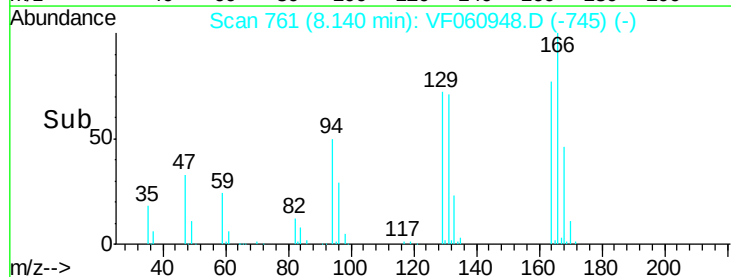
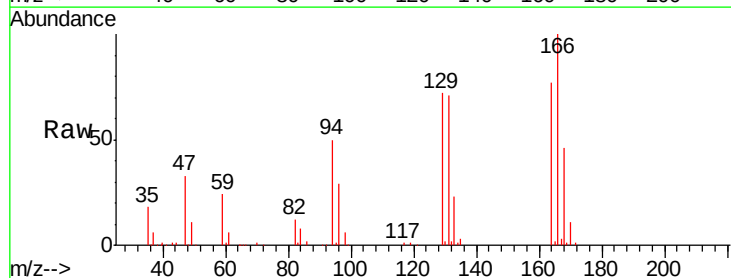
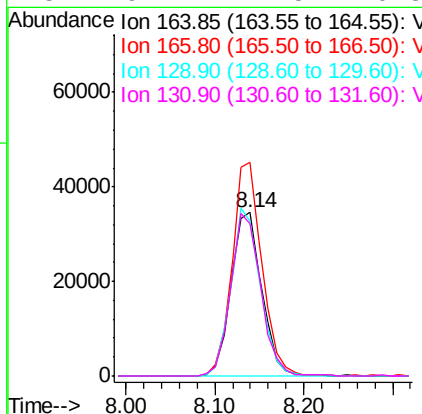
Manual Integrations
APPROVED

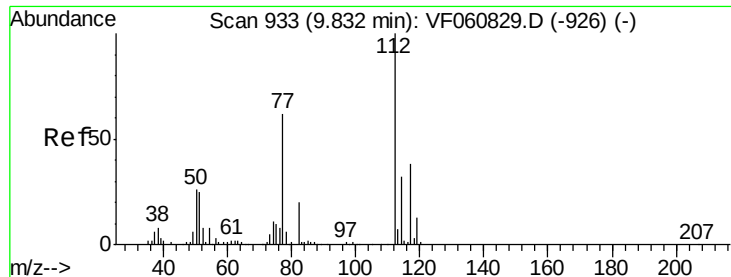
apatel
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#64
Tetrachloroethene
Concen: 47.192 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.04 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83599		
166	130.4	100.3	150.5	
129	94.4	77.9	116.9	
131	92.7	77.5	116.3	





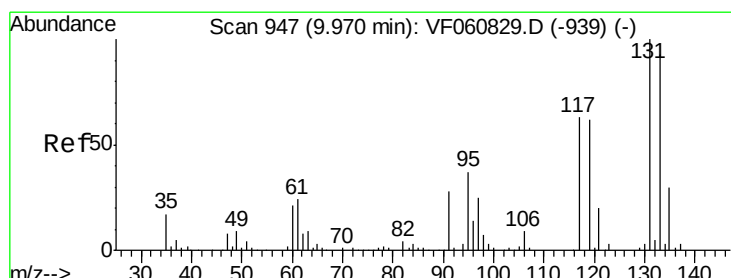
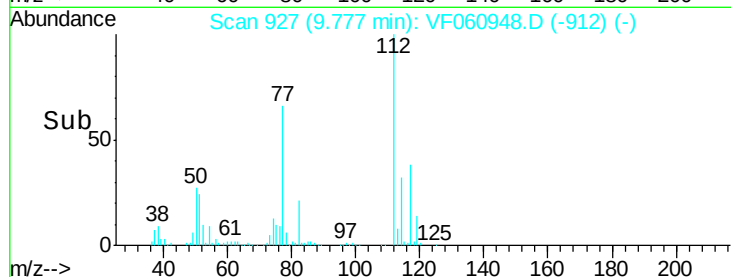
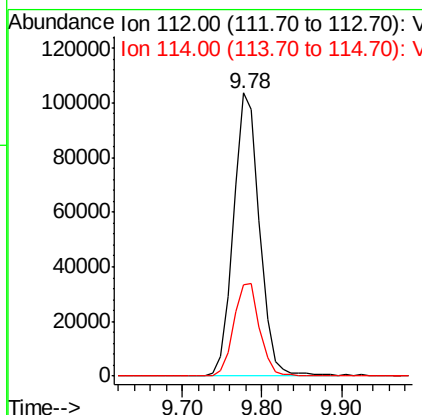
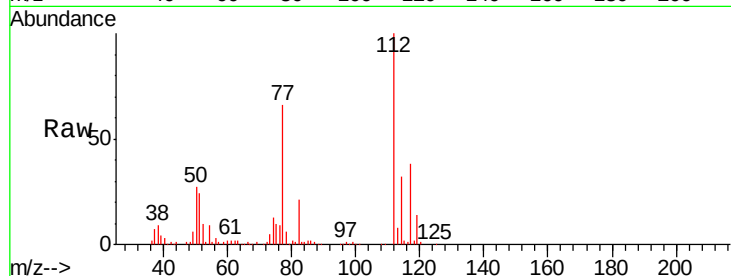
#65
Chlorobenzene
Concen: 52.367 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion:112 Resp: 236273
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

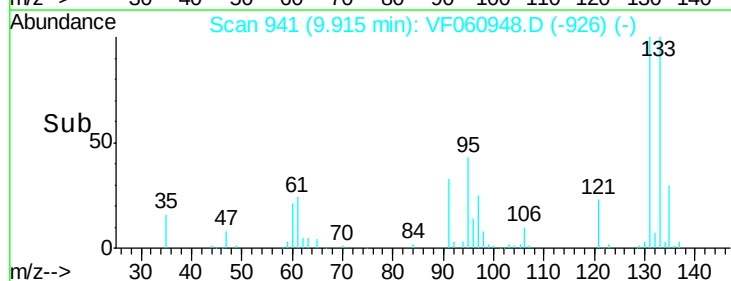
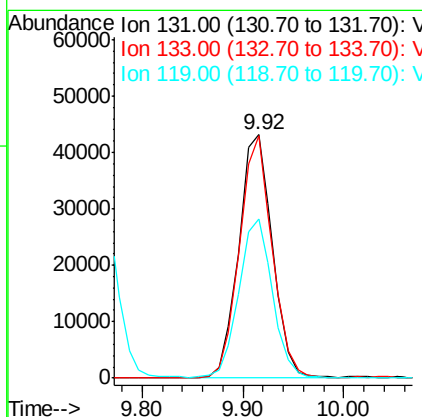
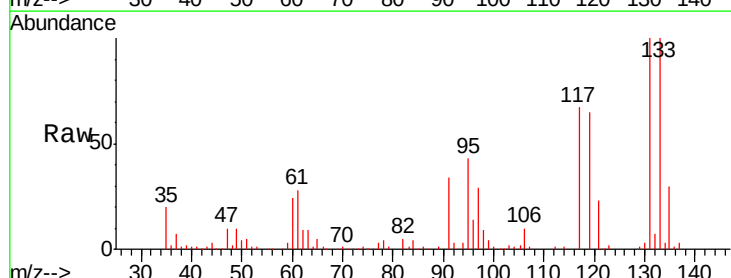
Manual Integrations
APPROVED

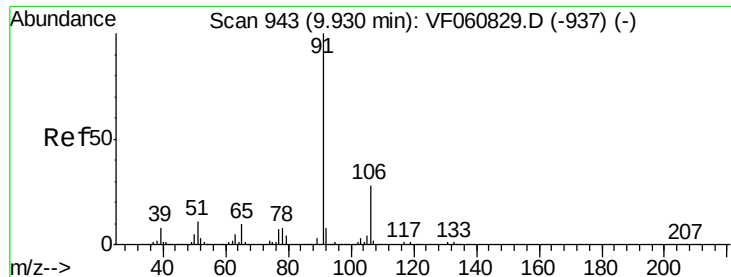
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.774 ug/l
RT: 9.92 min Scan# 941
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion:131 Resp: 100424
Ion Ratio Lower Upper
131 100
133 99.6 46.5 139.3
119 65.3 31.1 93.3





#67

Ethyl Benzene

Concen: 48.604 ug/l

RT: 9.89 min Scan# 938

Delta R.T. -0.04 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion: 91 Resp: 408258

Ion Ratio Lower Upper

91 100

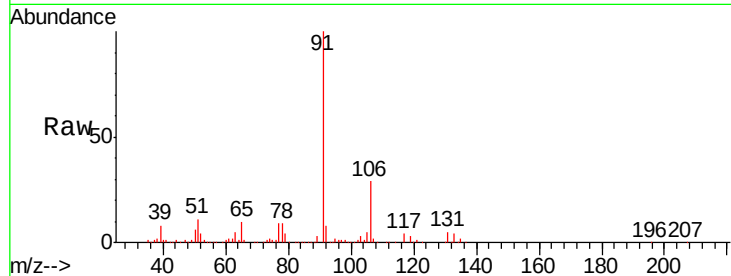
106 29.2 22.2 33.2

Manual Integrations

APPROVED

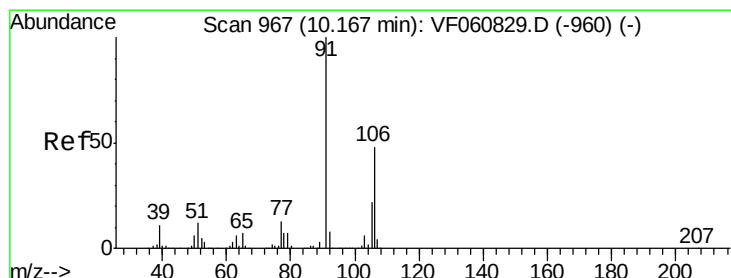
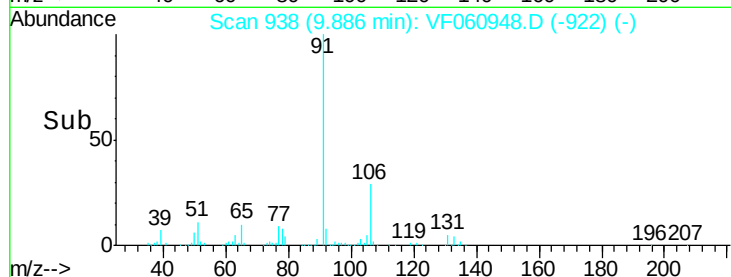
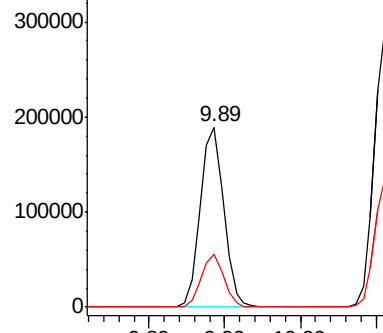
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 97.378 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.05 min

Lab File: VF060948.D

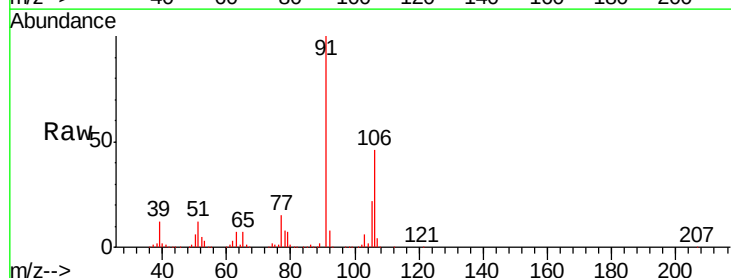
Acq: 8 Dec 2018 00:22

Tgt Ion: 106 Resp: 294185

Ion Ratio Lower Upper

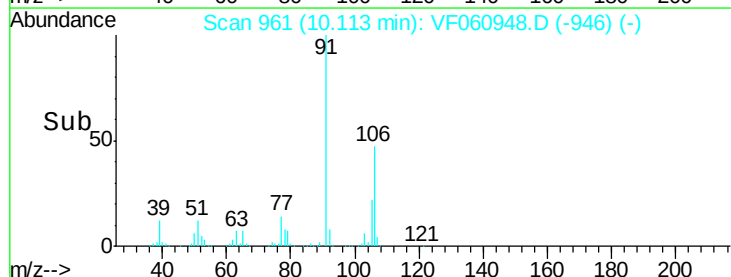
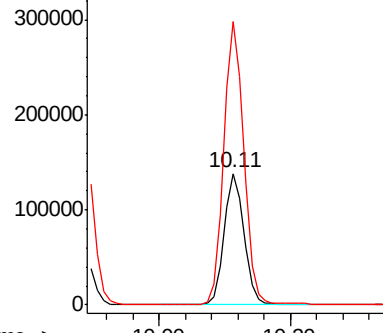
106 100

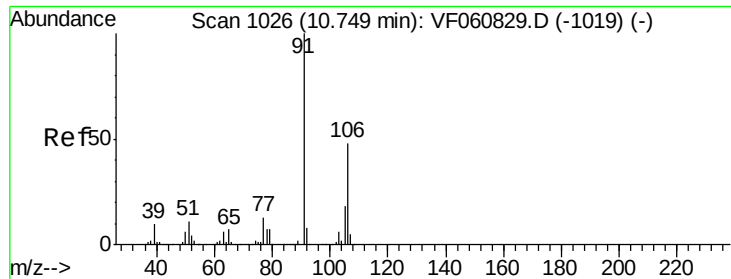
91 215.2 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





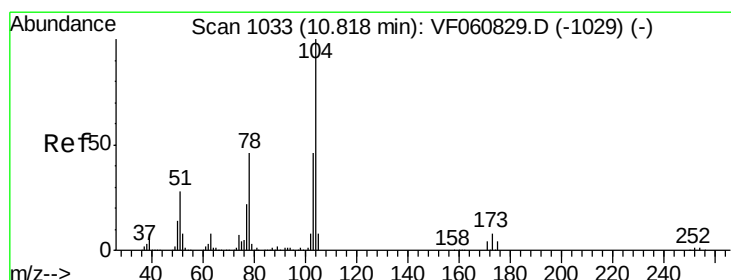
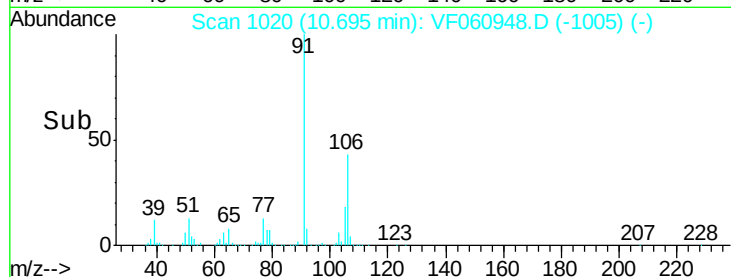
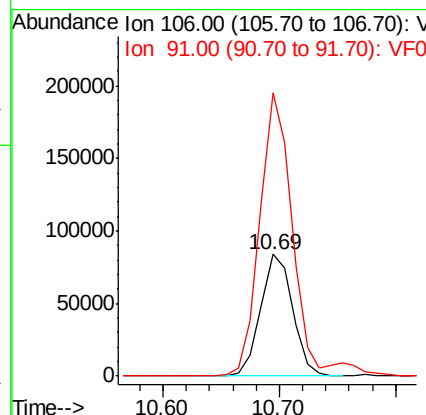
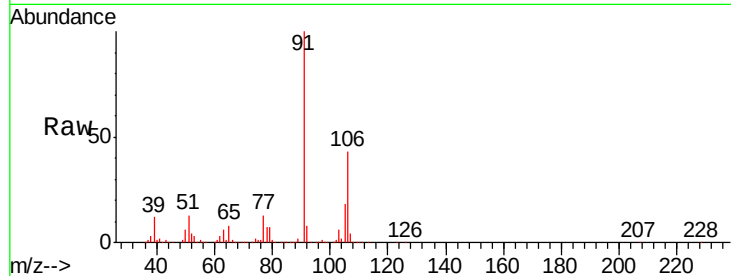
#69
o-Xylene
Concen: 48.336 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.05 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion:106 Resp: 161023
Ion Ratio Lower Upper
106 100
91 232.2 104.8 314.6

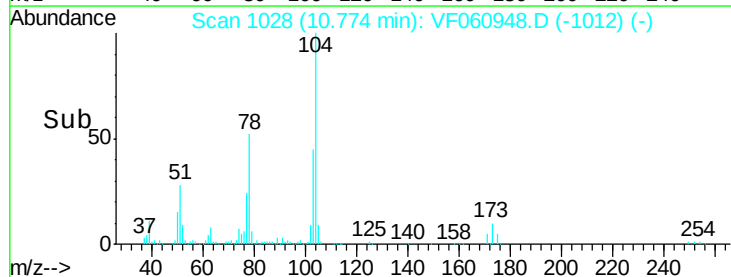
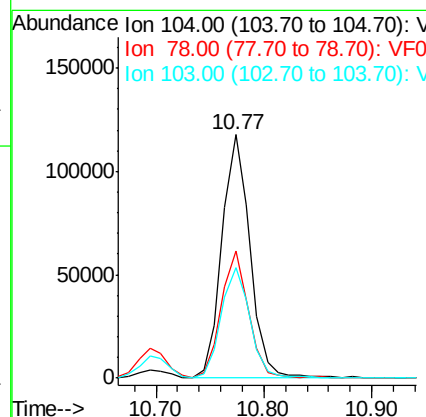
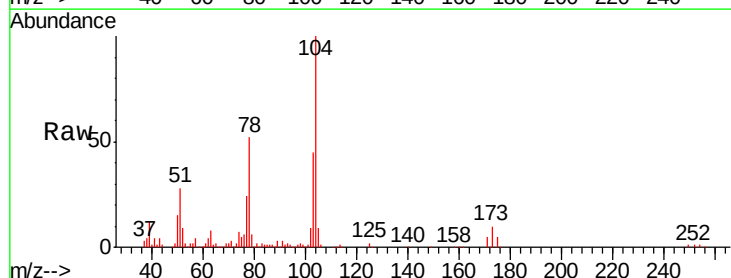
Manual Integrations
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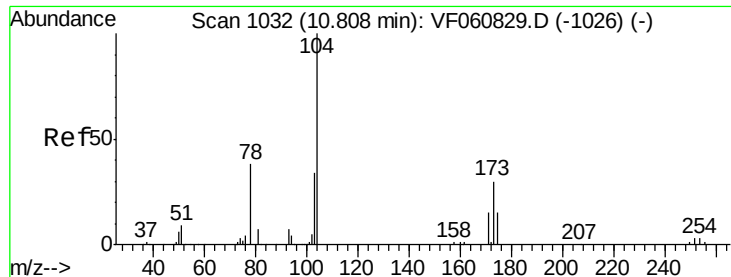
apatel
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#70
Styrene
Concen: 45.673 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.04 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion:104 Resp: 210914
Ion Ratio Lower Upper
104 100
78 52.1 37.3 55.9
103 45.3 36.8 55.2





#71

Bromoform

Concen: 56.820 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.05 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

Tgt Ion:173 Resp: 53235

Ion Ratio Lower Upper

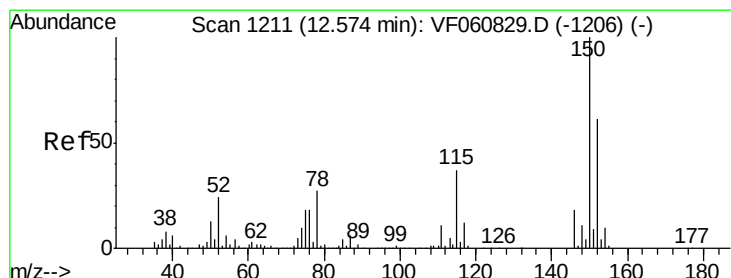
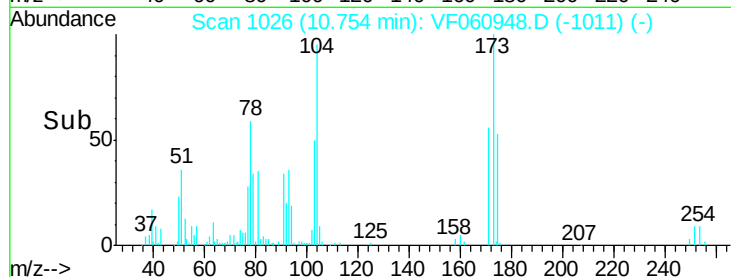
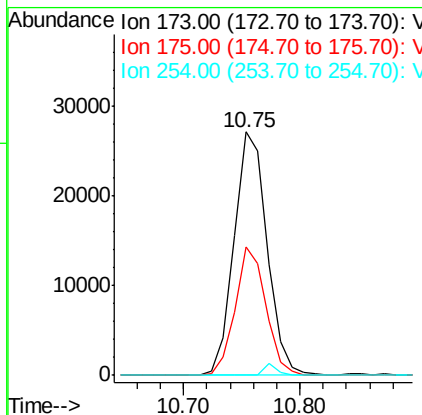
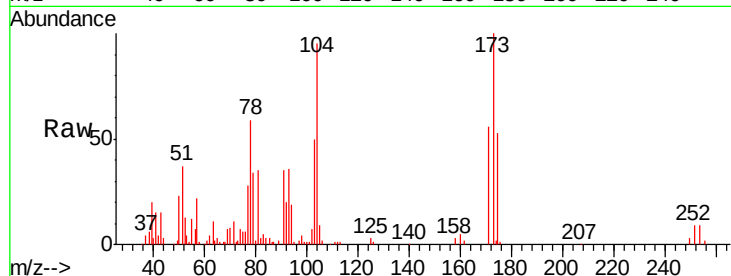
173 100

175 53.1 25.5 76.5

254 0.0 7.5 11.3#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.03 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

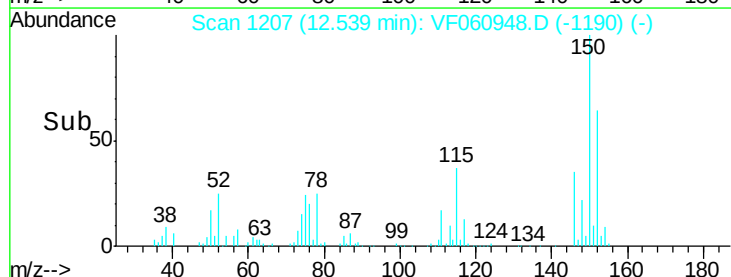
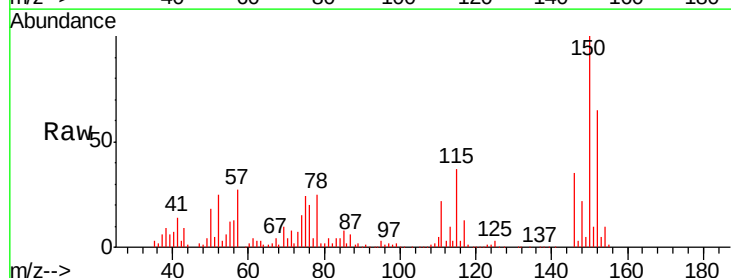
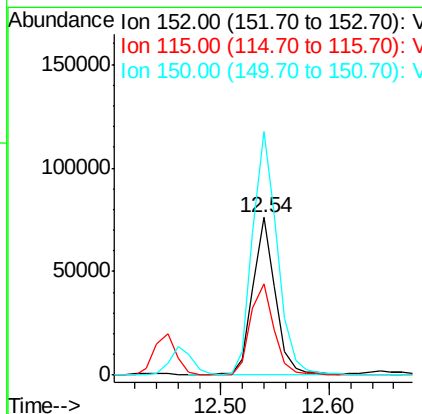
Tgt Ion:152 Resp: 110098

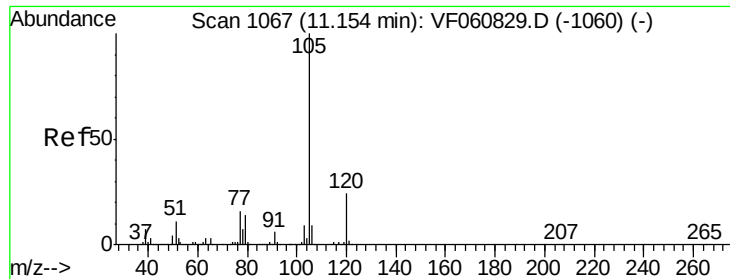
Ion Ratio Lower Upper

152 100

115 58.0 30.1 90.5

150 154.7 0.0 327.6





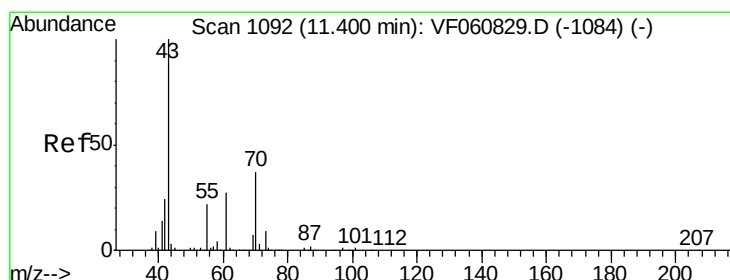
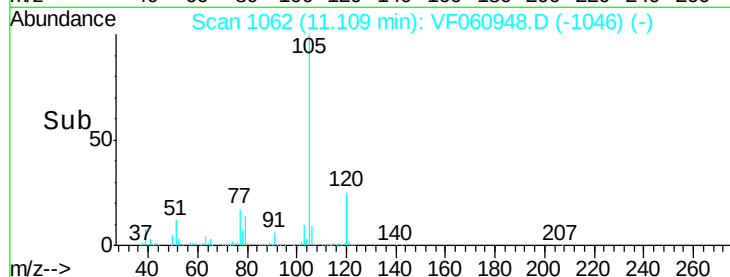
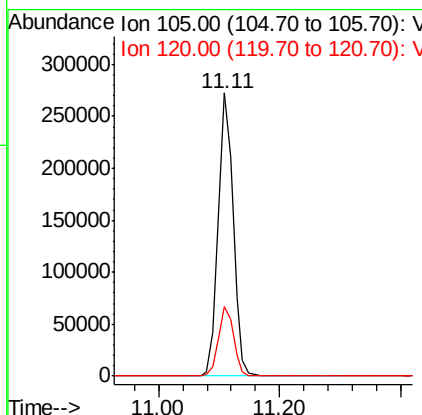
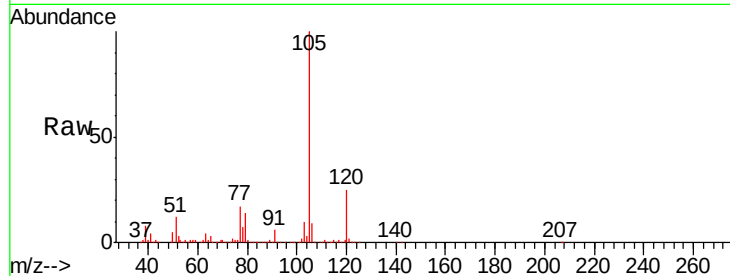
#73
Isopropylbenzene
Concen: 54.786 ug/l
RT: 11.11 min Scan# 1062
Delta R.T. -0.04 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.6	12.2	36.4

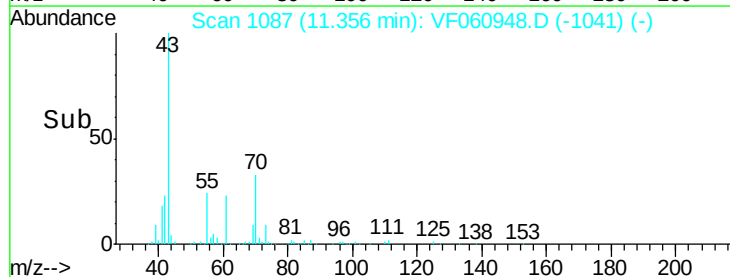
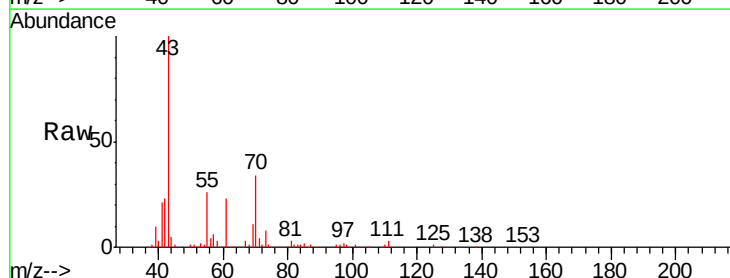
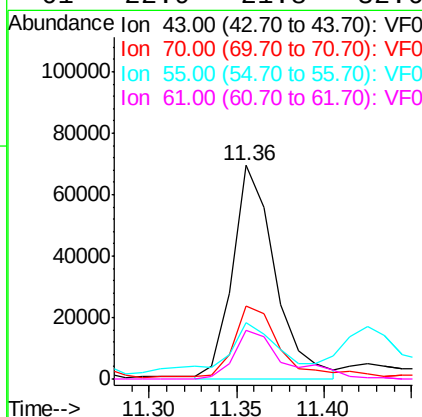
Manual Integrations
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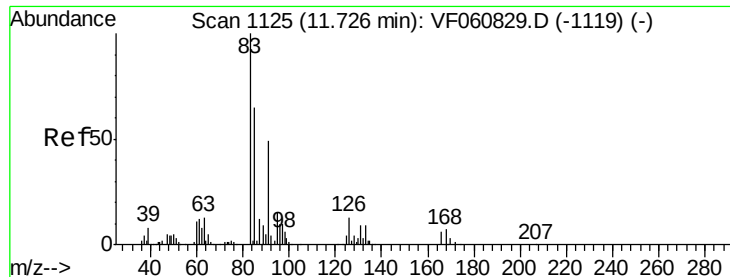
apatel
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#74
N-ethyl acetate
Concen: 58.542 ug/l m
RT: 11.36 min Scan# 1087
Delta R.T. -0.04 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.1	29.6	44.4
55	26.4	17.2	25.8
61	22.9	21.8	32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 76.308 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.04 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

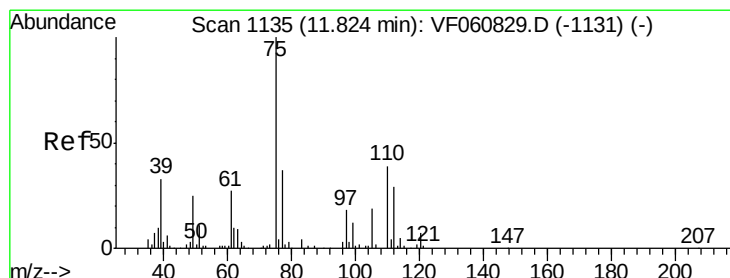
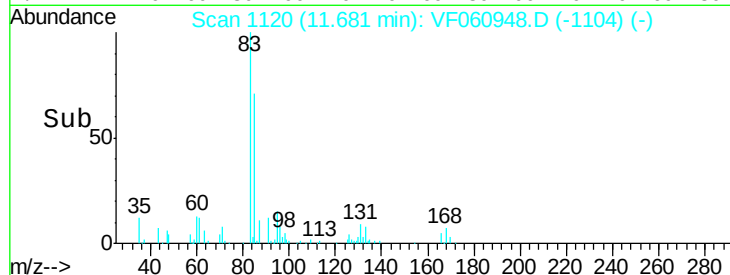
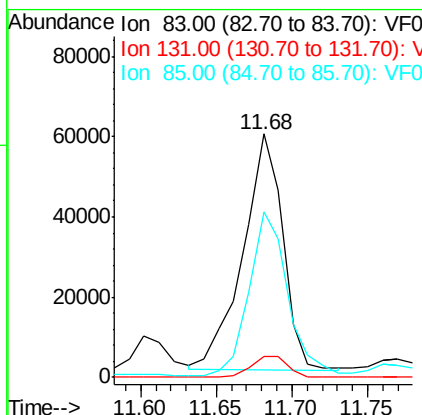
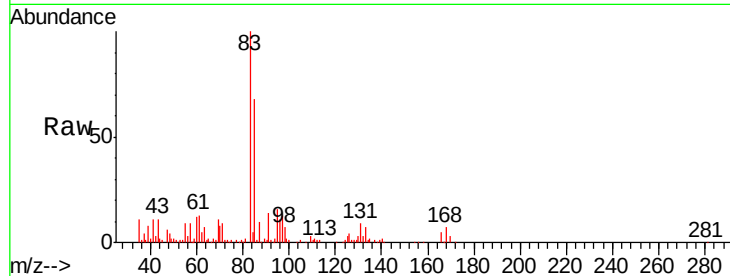
ClientSampleId :

S32-0632MSD

Tgt Ion:	83	Resp:	109267
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.7	14.1
85	67.8	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 67.229 ug/l m

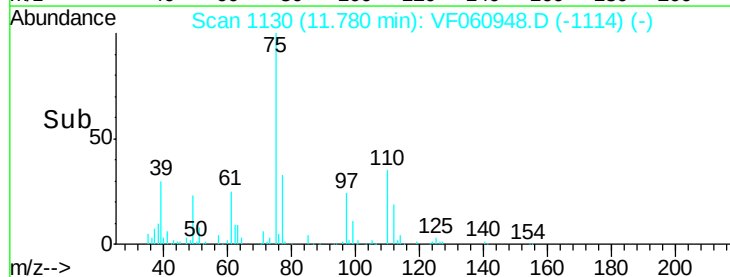
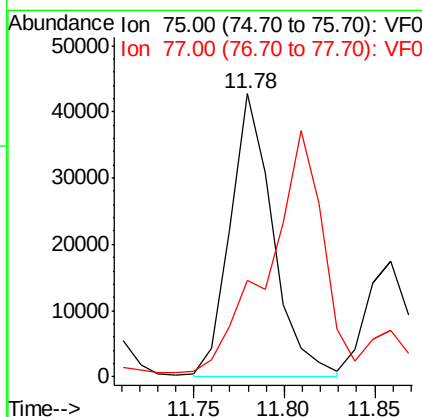
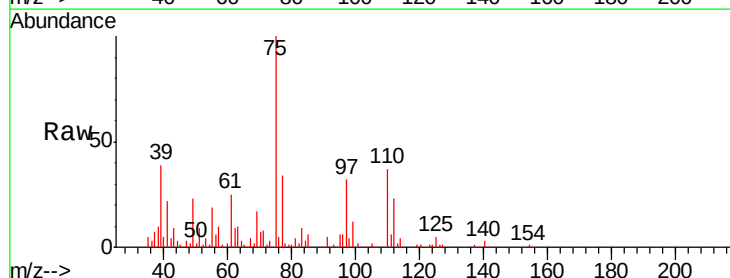
RT: 11.78 min Scan# 1130

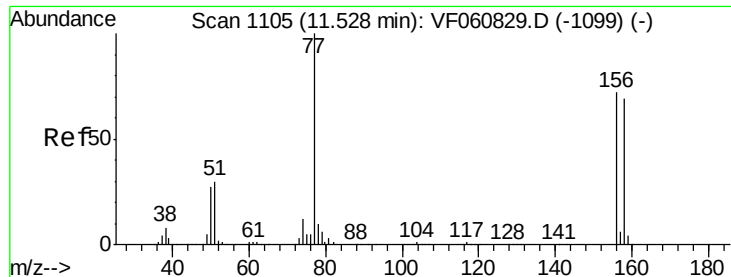
Delta R.T. -0.04 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Tgt Ion:	75	Resp:	69973
Ion Ratio	Lower	Upper	
75	100		
77	34.3	18.4	55.4





#77

Bromobenzene

Concen: 51.855 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.04 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

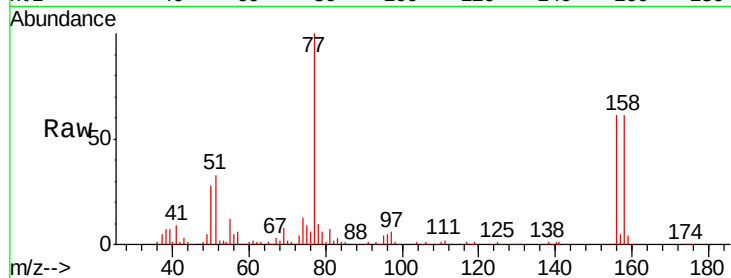
ClientSampleId :

S32-0632MSD

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	98913		
77	164.8	69.7	209.0	
158	100.3	47.8	143.4	

Manual Integrations
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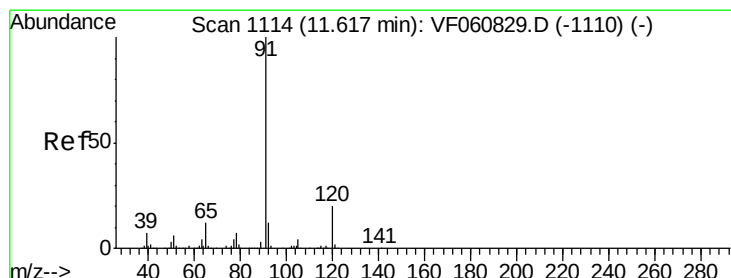
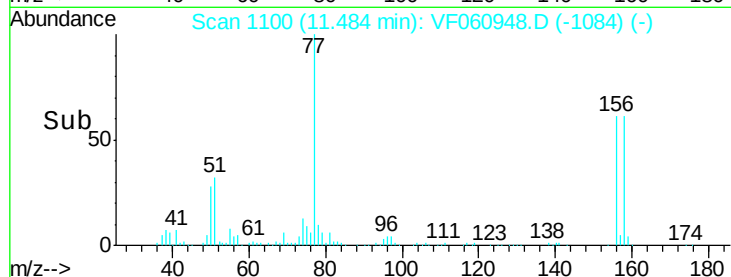
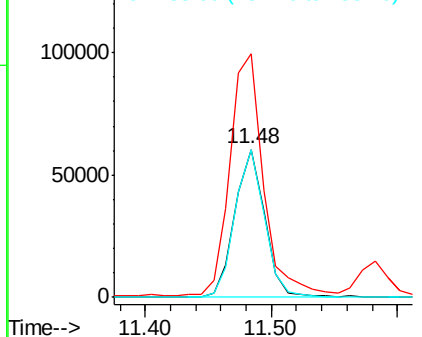
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 51.055 ug/l

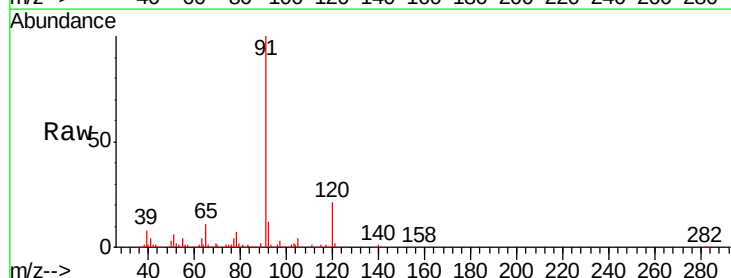
RT: 11.58 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF060948.D

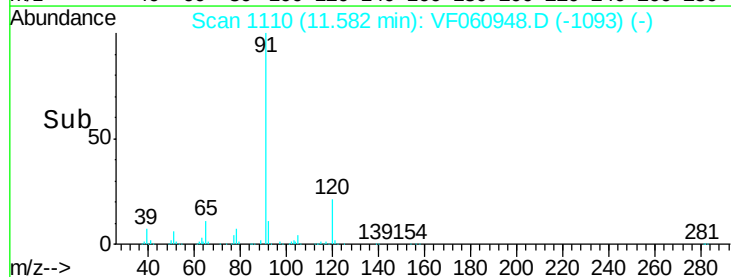
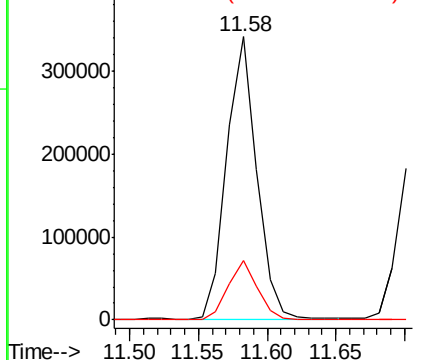
Acq: 8 Dec 2018 00:22

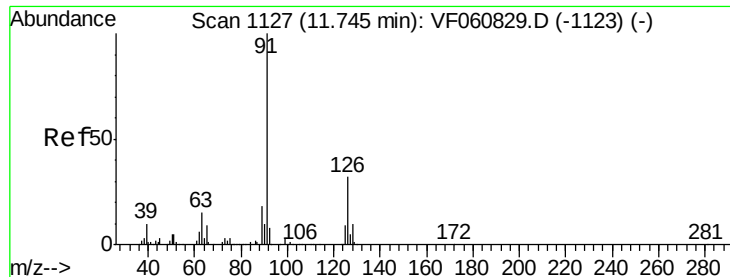
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	520196		
120	20.9	10.3	30.8	



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





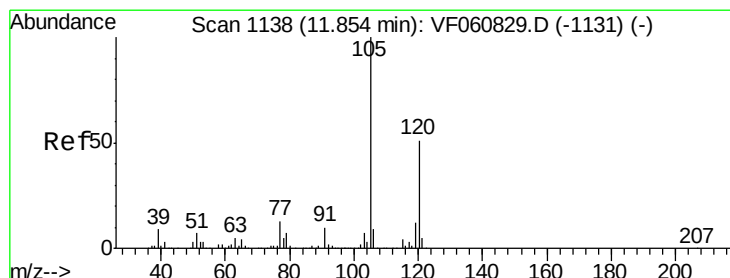
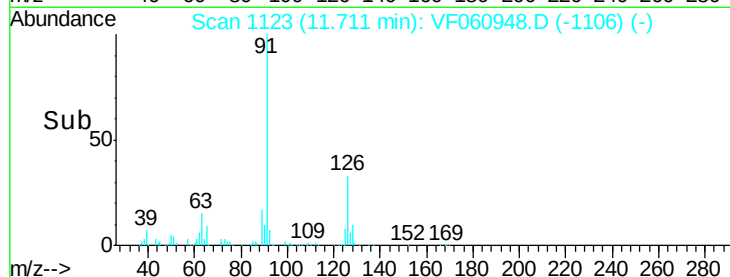
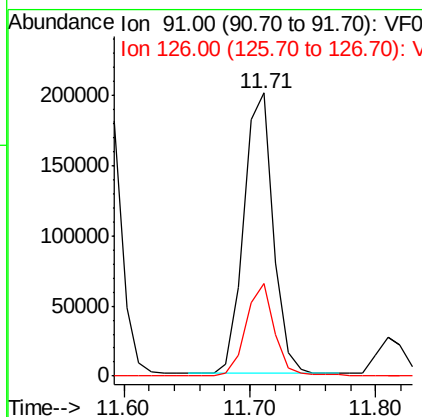
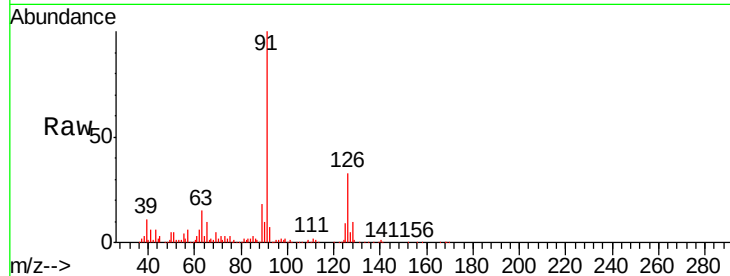
#79
 2-Chlorotoluene
 Concen: 55.464 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Tgt Ion: 91 Resp: 324032
 Ion Ratio Lower Upper
 91 100
 126 32.6 15.9 47.6

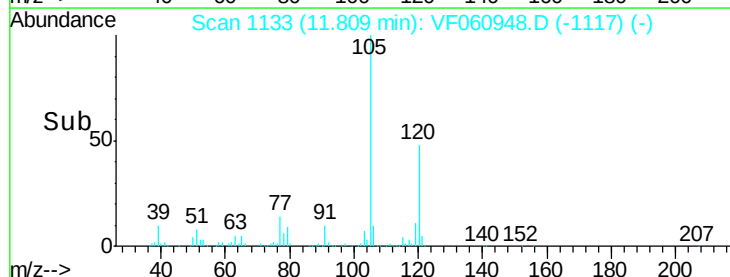
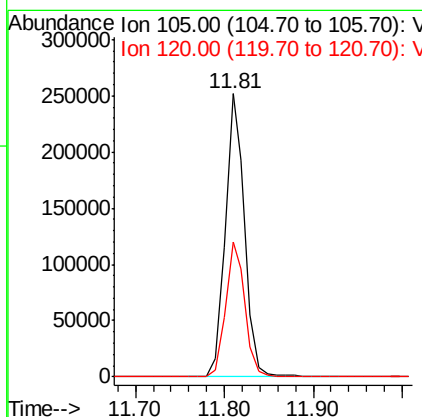
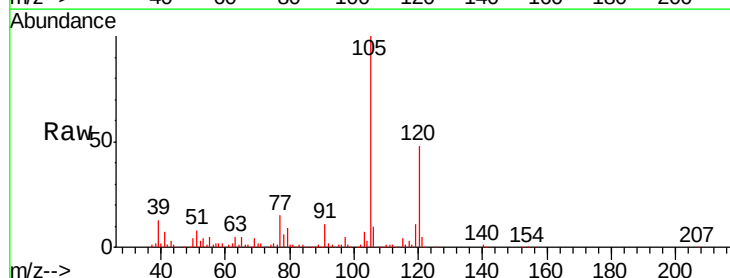
Manual Integrations
 APPROVED

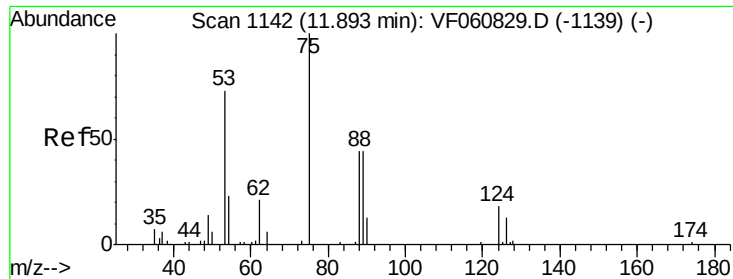
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.231 ug/l
 RT: 11.81 min Scan# 1133
 Delta R.T. -0.04 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Tgt Ion: 105 Resp: 383045
 Ion Ratio Lower Upper
 105 100
 120 47.8 25.8 77.3





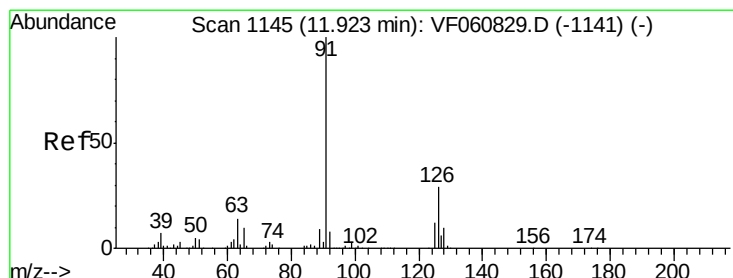
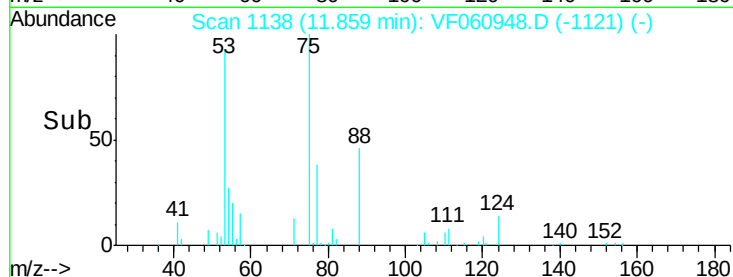
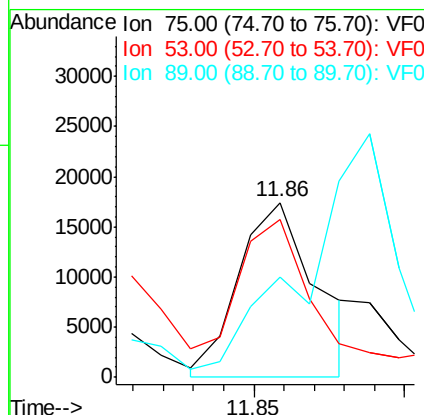
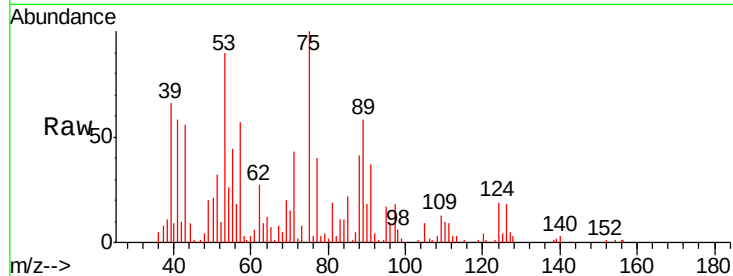
#81
trans-1,4-Dichloro-2-butene
Concen: 61.230 ug/l m
RT: 11.86 min Scan# 1138
Delta R.T. -0.03 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.3	65.9	98.9
89	57.5	38.8	58.2

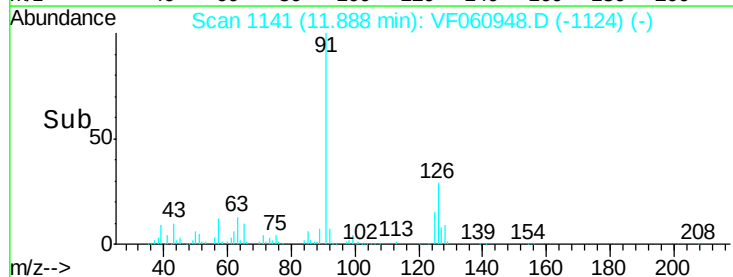
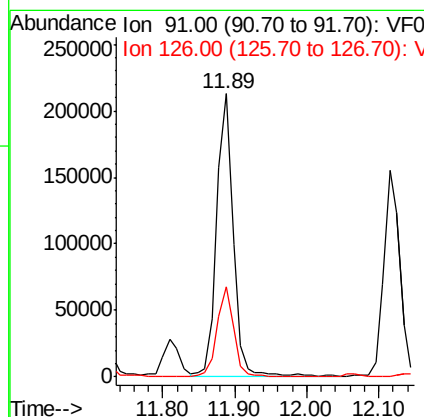
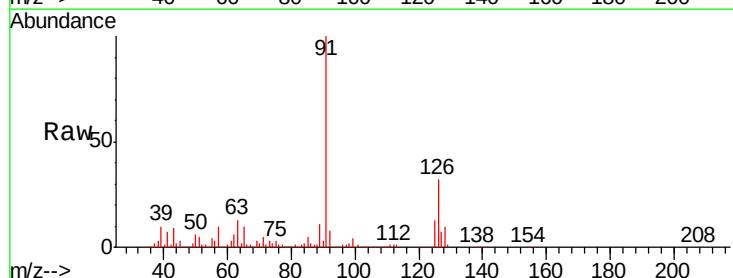
Manual Integrations
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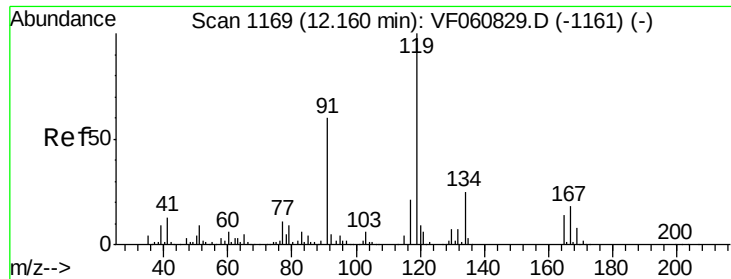
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#82
4-Chlorotoluene
Concen: 53.854 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	14.8	44.4





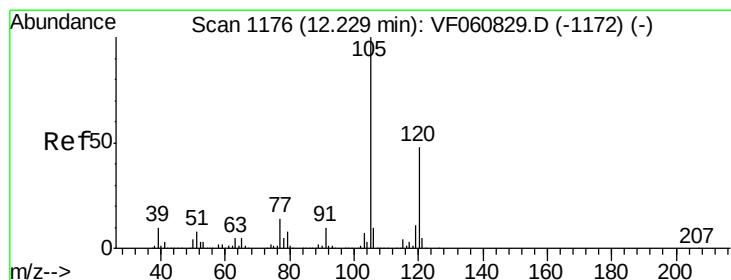
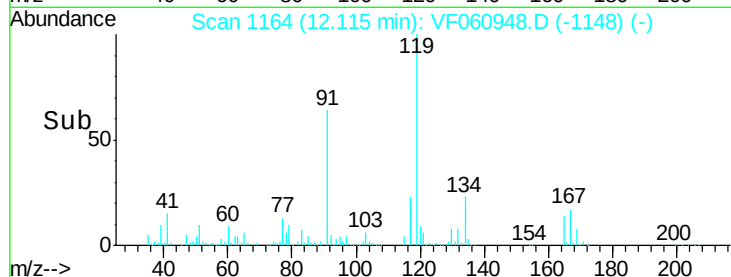
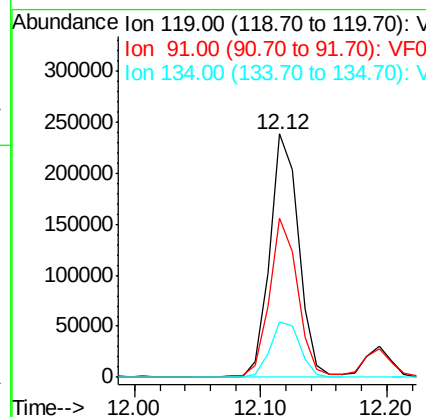
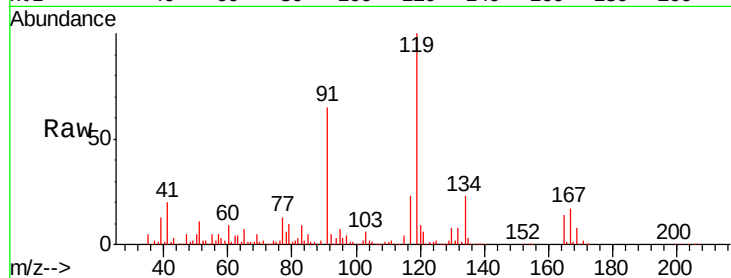
#83
 tert-Butylbenzene
 Concen: 53.170 ug/l
 RT: 12.12 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.2	30.1	90.3
134	23.0	12.6	37.8

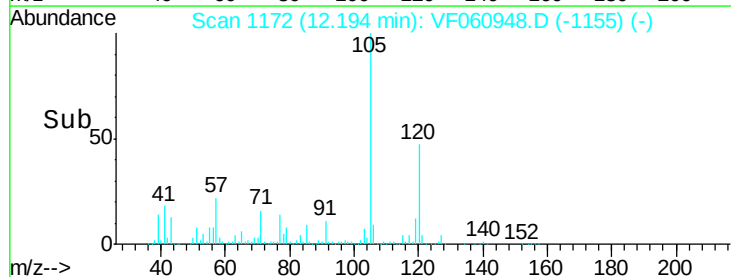
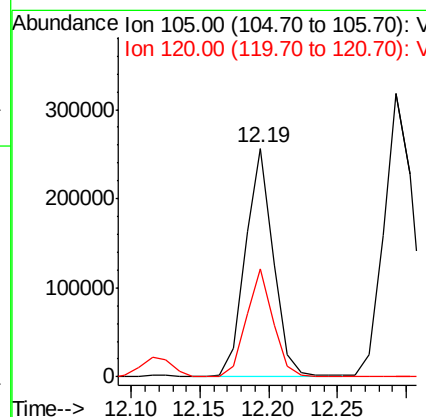
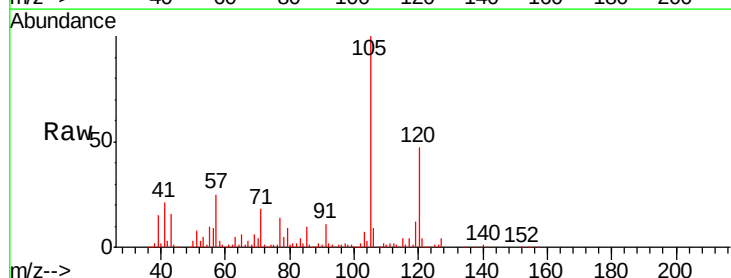
Manual Integrations
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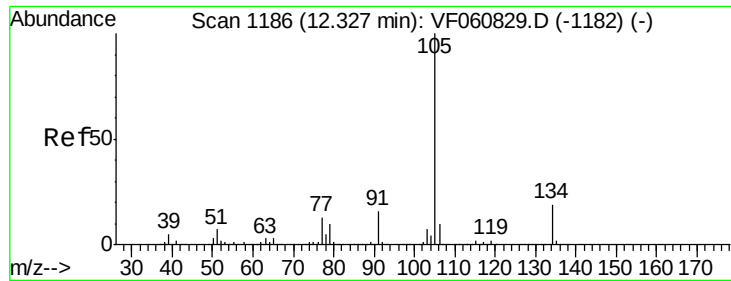
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.569 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.03 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.8	71.5





#85

sec-Butylbenzene

Concen: 48.219 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.03 min

Lab File: VF060948.D

Acq: 8 Dec 2018 00:22

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MSD

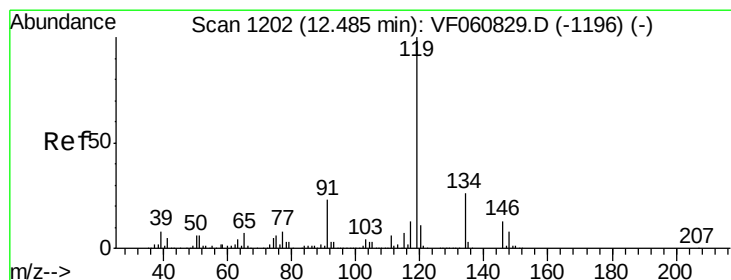
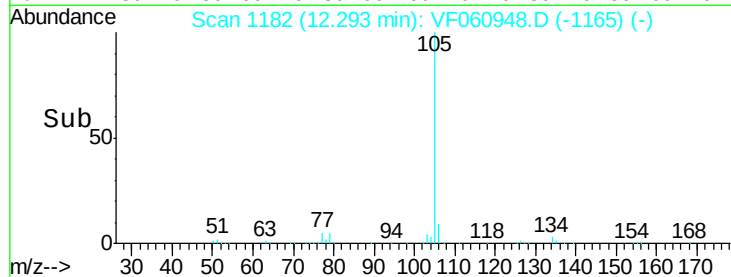
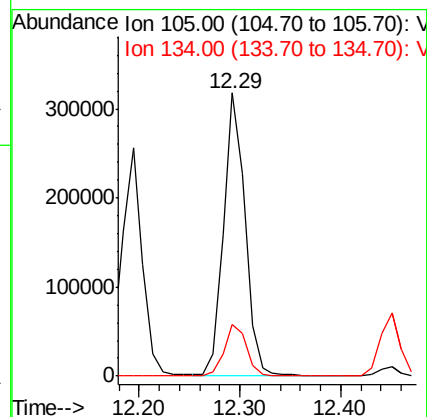
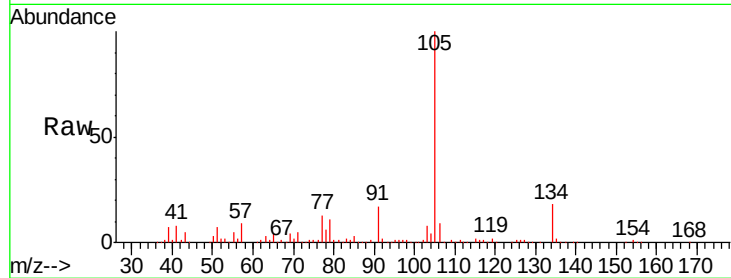
Tgt Ion:105 Resp: 474926
Ion Ratio Lower Upper

105 100

134 18.4 9.5 28.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 48.095 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.03 min

Lab File: VF060948.D

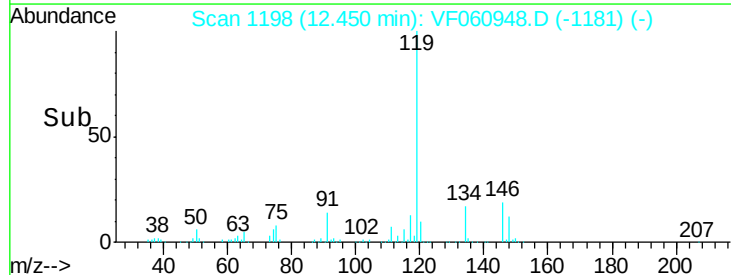
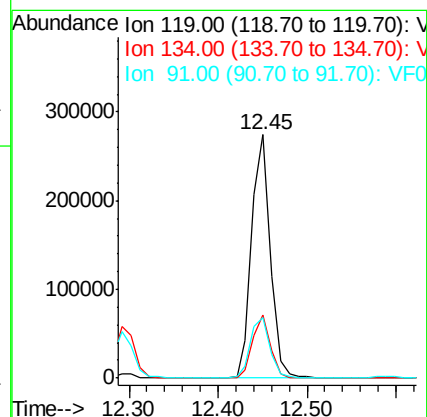
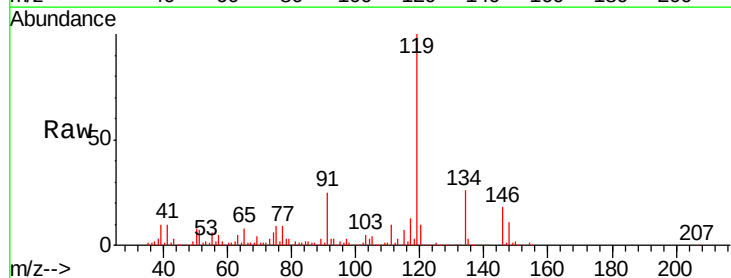
Acq: 8 Dec 2018 00:22

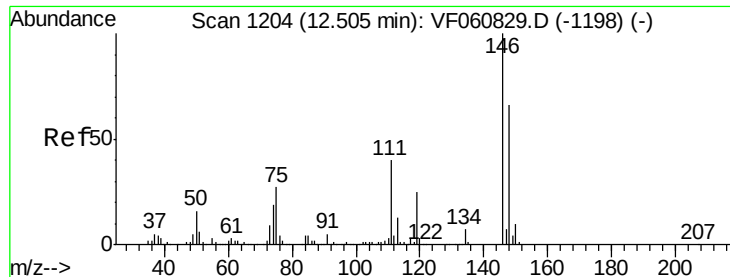
Tgt Ion:119 Resp: 397148
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 25.0 11.8 35.3





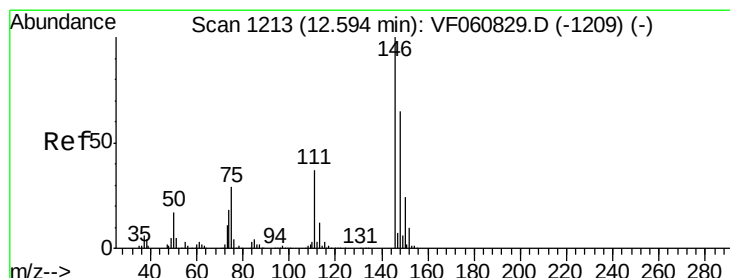
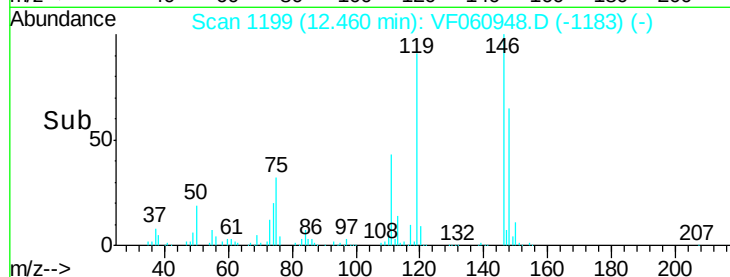
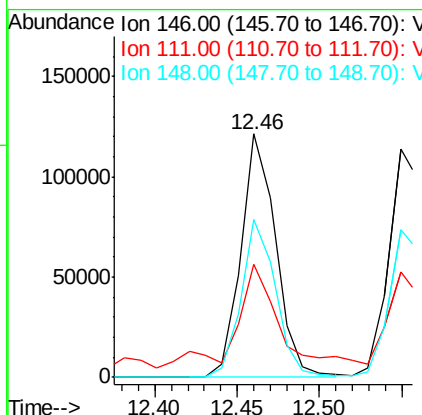
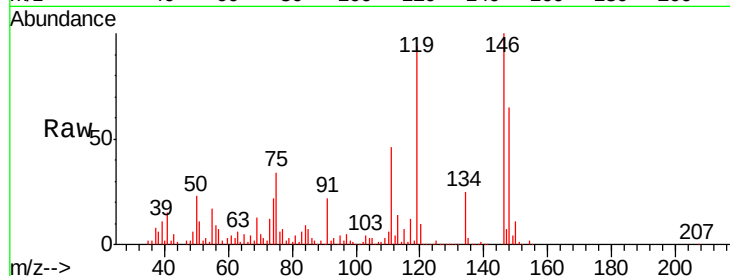
#87
 1,3-Dichlorobenzene
 Concen: 49.551 ug/l m
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.04 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.3	20.0	59.9
148	64.9	32.9	98.6

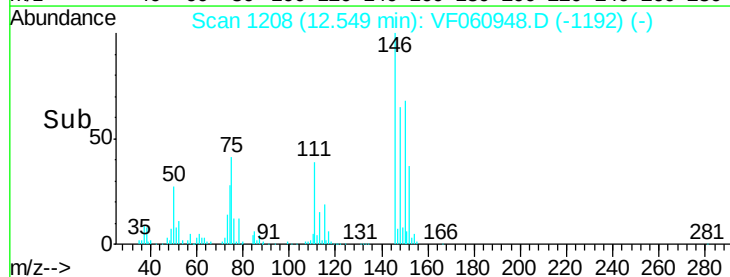
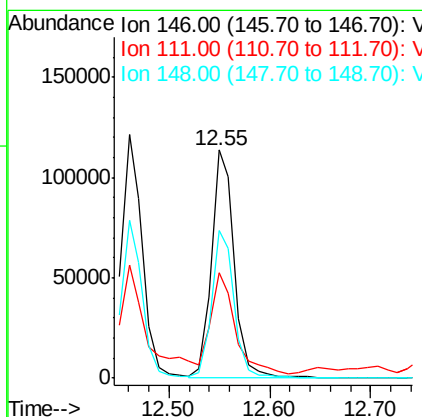
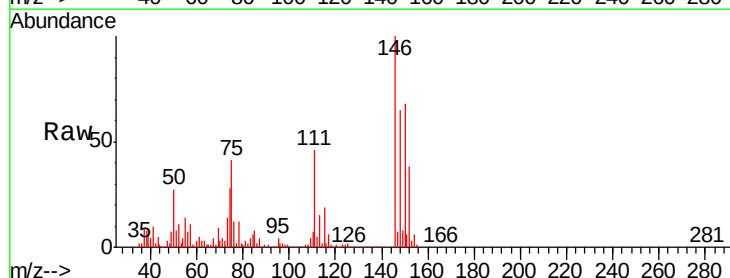
Manual Integrations
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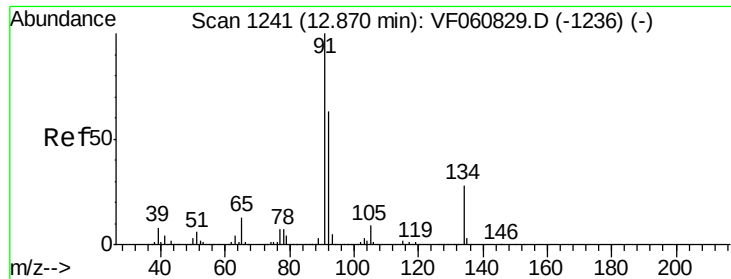
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#88
 1,4-Dichlorobenzene
 Concen: 50.479 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.04 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.2	18.9	56.7
148	64.6	32.3	96.9





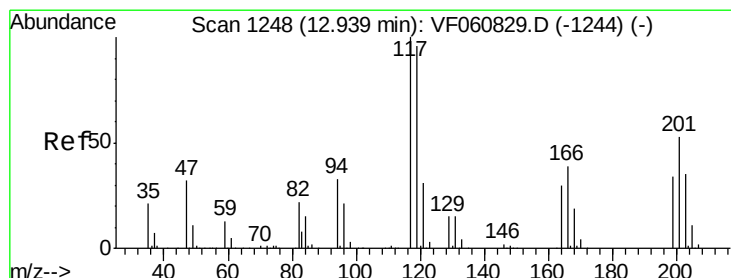
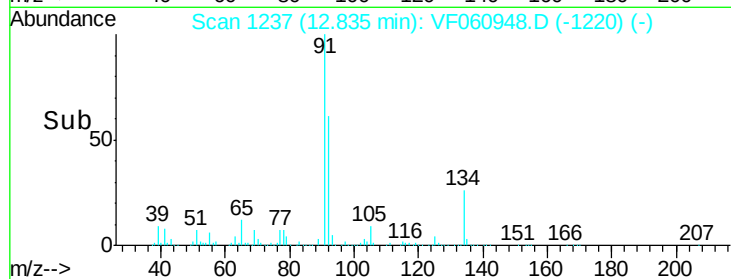
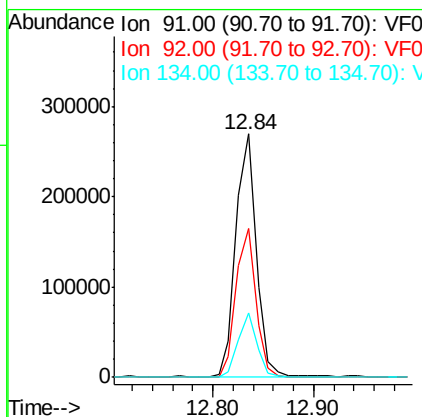
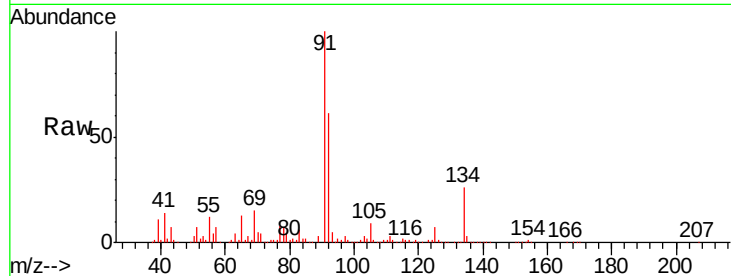
#89
n-Butylbenzene
Concen: 44.972 ug/l
RT: 12.84 min Scan# 1237
Delta R.T. -0.03 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.1	31.6	94.7
134	26.4	13.8	41.4

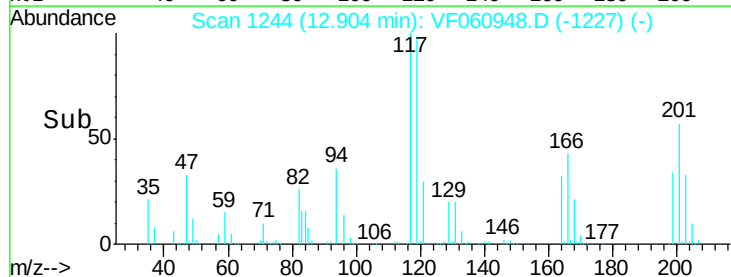
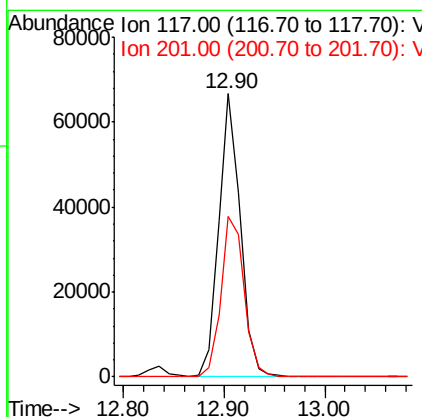
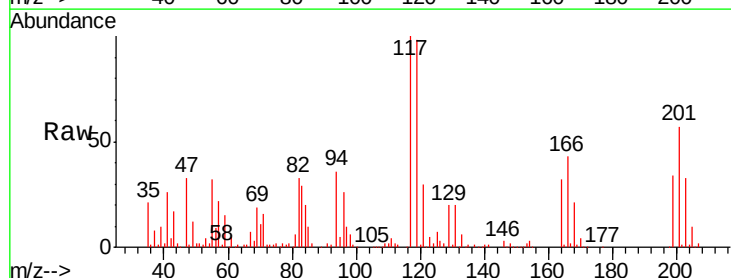
Manual Integrations
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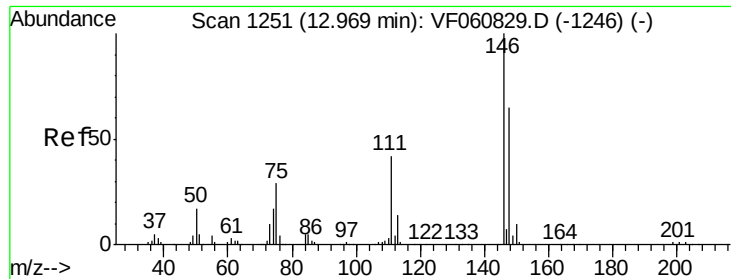
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#90
Hexachloroethane
Concen: 50.217 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.03 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.7	26.7	80.1





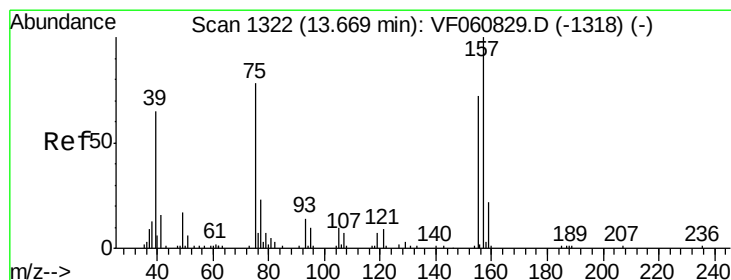
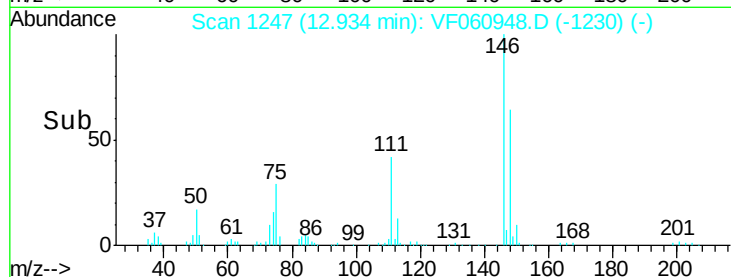
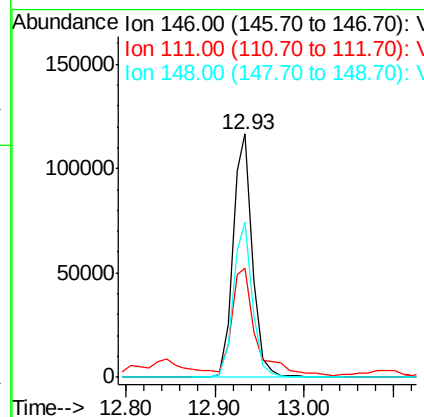
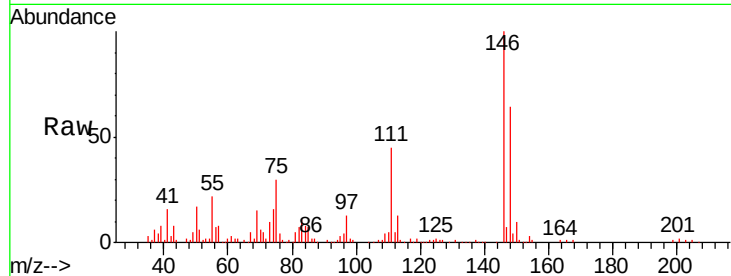
#91
 1,2-Dichlorobenzene
 Concen: 52.517 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.03 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.2	63.6
148	64.0	32.5	97.5

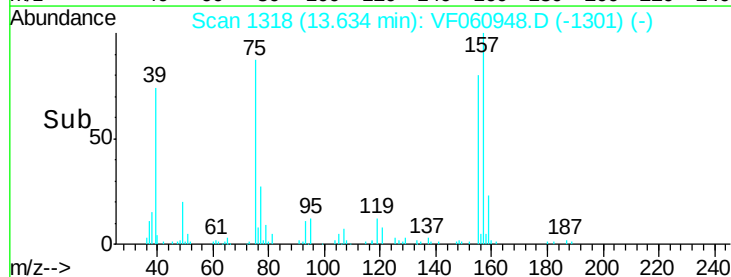
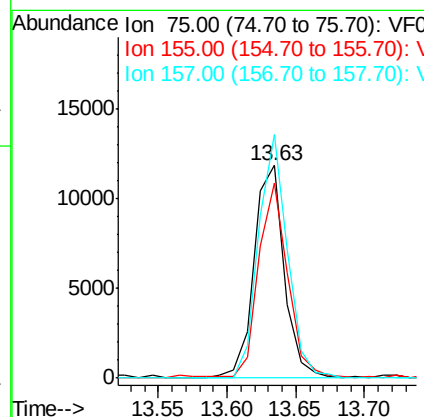
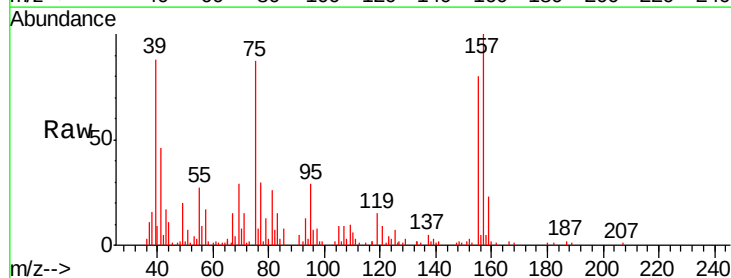
Manual Integrations
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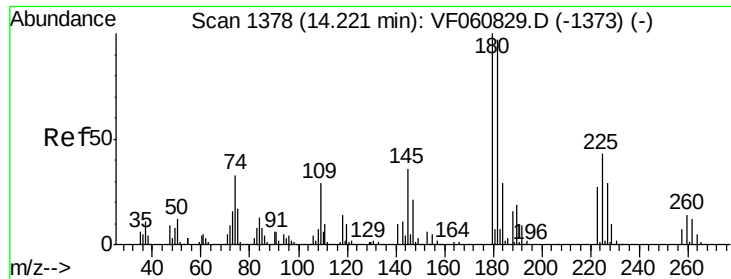
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.015 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.03 min
 Lab File: VF060948.D
 Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	45.6	136.9
157	114.5	63.8	191.5





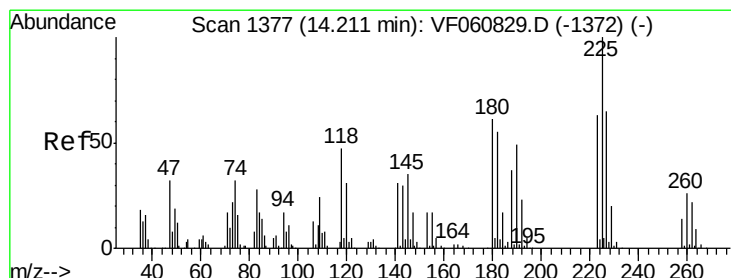
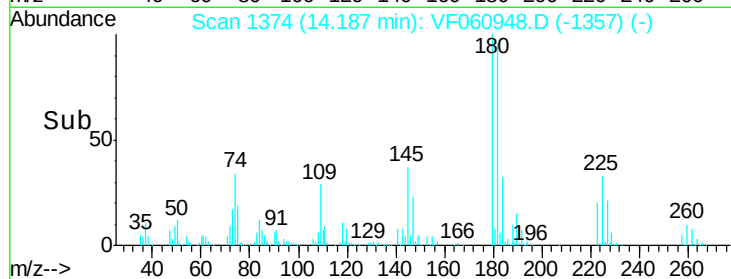
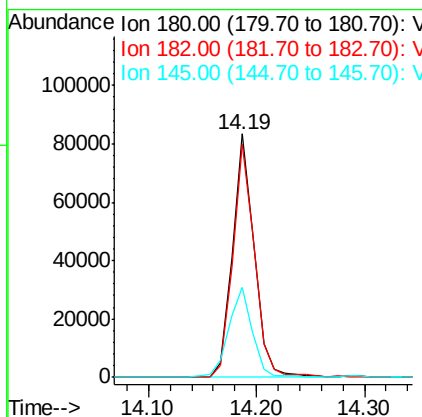
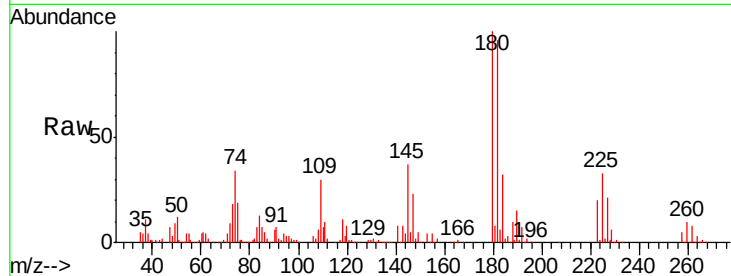
#93
1,2,4-Trichlorobenzene
Concen: 48.928 ug/l
RT: 14.19 min Scan# 1374
Delta R.T. -0.03 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117468		
182	96.0	48.5	145.5	
145	36.7	18.1	54.3	

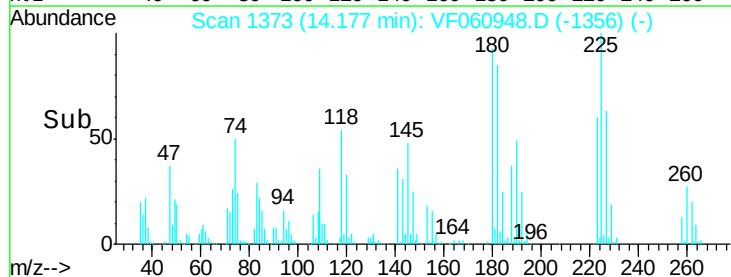
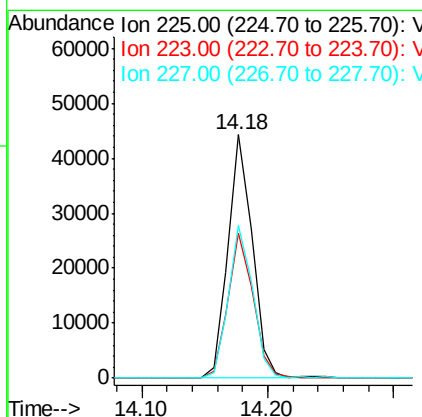
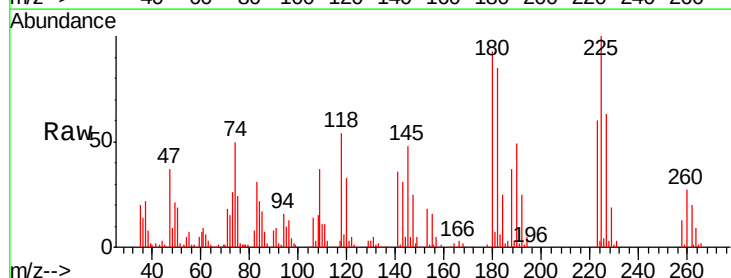
Manual Integrations
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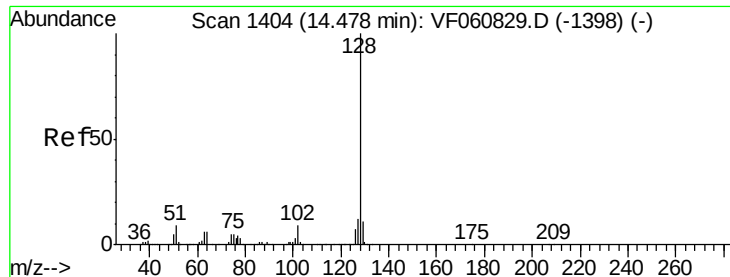
apatel
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#94
Hexachlorobutadiene
Concen: 36.987 ug/l
RT: 14.18 min Scan# 1373
Delta R.T. -0.03 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59196		
223	59.6	31.4	94.3	
227	62.8	32.5	97.5	





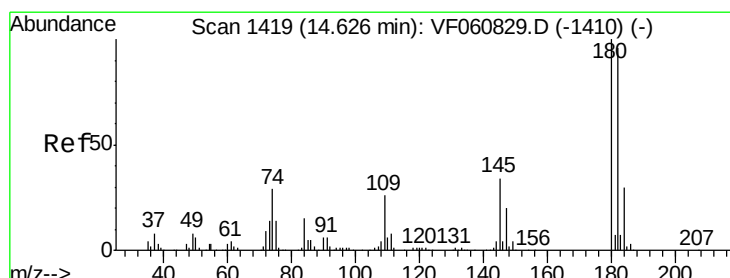
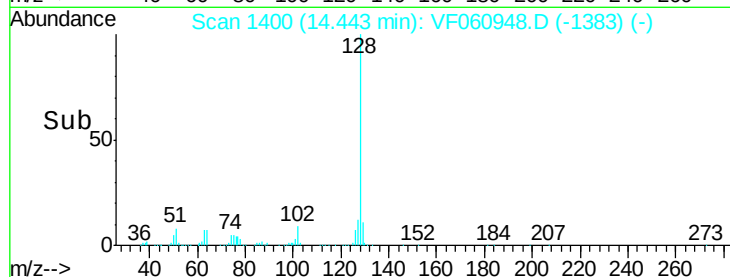
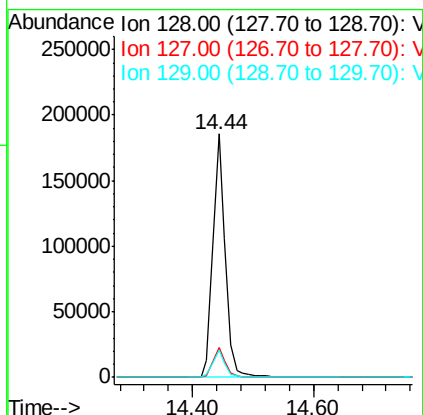
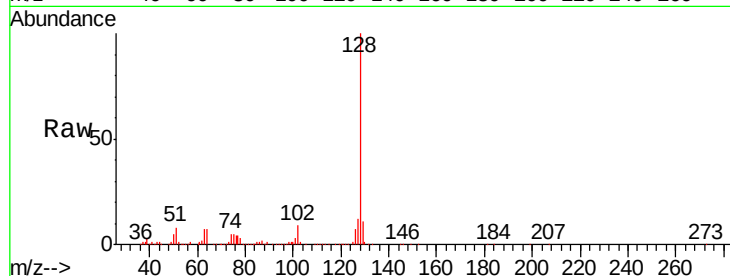
#95
Naphthalene
Concen: 57.843 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.03 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	266979		
127	12.4		9.9	14.9
129	11.2		9.1	13.7

Manual Integrations
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12/10/2018 4:38:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.537 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.03 min
Lab File: VF060948.D
Acq: 8 Dec 2018 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114887		
182	96.9		47.9	143.8
145	34.2		17.2	51.5

