

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061286.D
 Acq On : 8 Jan 2019 15:02
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:44:50 AM

Quant Time: Jan 09 06:17:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 15:56:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	230100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	389307	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	354510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	175543	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	51395	17.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	35.20%	
35) Dibromofluoromethane	4.12	113	59057	19.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.44%	
50) Toluene-d8	7.57	98	175600	19.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.52%	
62) 4-Bromofluorobenzene	11.41	95	75601	19.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	78024	17.660	ug/l	98
3) Chloromethane	1.09	50	70099	20.711	ug/l	98
4) Vinyl Chloride	1.14	62	62730	21.397	ug/l	100
5) Bromomethane	1.30	94	38749	19.333	ug/l	97
6) Chloroethane	1.37	64	25693	19.338	ug/l #	74
7) Trichlorofluoromethane	1.47	101	101877	19.311	ug/l	100
8) Diethyl Ether	1.64	74	14872	19.760	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.82	101	53317	20.228	ug/l	97
10) Methyl Iodide	1.86	142	82754	19.432	ug/l	98
11) Tert butyl alcohol	2.56	59	8986	72.909	ug/l #	91
12) 1,1-Dichloroethene	1.76	96	41708	18.825	ug/l	93
13) Acrolein	2.00	56	12378	107.297	ug/l	98
14) Allyl chloride	2.10	41	81991	26.768	ug/l	94
15) Acrylonitrile	2.94	53	30318	92.013	ug/l #	84
16) Acetone	2.24	43	56950	97.359	ug/l	93
17) Carbon Disulfide	1.79	76	140671	20.851	ug/l	96
18) Methyl Acetate	2.35	43	23638m	18.261	ug/l	
19) Methyl tert-butyl Ether	2.44	73	83897	18.166	ug/l	98
20) Methylene Chloride	2.19	84	40818	15.036	ug/l	98
21) trans-1,2-Dichloroethene	2.32	96	45176	19.386	ug/l	98
22) Diisopropyl ether	2.80	45	150484	19.538	ug/l	96
23) Vinyl Acetate	3.20	43	220775	62.591	ug/l	100
24) 1,1-Dichloroethane	2.88	63	87562	19.391	ug/l	97
25) 2-Butanone	4.34	43	91574	83.396	ug/l	96
26) 2,2-Dichloropropane	3.61	77	58400	22.458	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	66549	19.435	ug/l	91
28) Bromochloromethane	3.73	49	38833	18.166	ug/l	96
29) Tetrahydrofuran	4.08	42	36849	86.311	ug/l	93
30) Chloroform	3.87	83	117302	18.571	ug/l	95
31) Cyclohexane	3.71	56	94474	19.739	ug/l	91
32) 1,1,1-Trichloroethane	4.11	97	90930	22.163	ug/l	96
36) 1,1-Dichloropropene	4.29	75	88134	19.222	ug/l	96
37) Ethyl Acetate	4.12	43	33016	18.035	ug/l	81
38) Carbon Tetrachloride	4.01	117	83650	22.788	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	108775	22.194	ug/l	96
40) Benzene	4.65	78	207745	19.964	ug/l	98
41) Methacrylonitrile	4.75	41	16410	15.764	ug/l #	84
42) 1,2-Dichloroethane	4.95	62	64624	18.562	ug/l	100
43) Isopropyl Acetate	6.96	43	40872	16.732	ug/l #	98
44) Trichloroethene	5.51	130	62154	19.189	ug/l	92
45) 1,2-Dichloropropane	6.24	63	50933	19.172	ug/l	99
46) Dibromomethane	6.10	93	31586	18.069	ug/l	91
47) Bromodichloromethane	6.39	83	76184	17.121	ug/l	95
48) Methyl methacrylate	6.73	41	28160	17.803	ug/l	92
49) 1,4-Dioxane	6.72	88	3344	305.120	ug/l #	83
51) 4-Methyl-2-Pentanone	8.27	43	147832	87.138	ug/l	93
52) Toluene	7.64	92	130799	19.251	ug/l	97
53) t-1,3-Dichloropropene	8.29	75	59060	16.281	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	87137	18.900	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	37343	19.112	ug/l	97
56) Ethyl methacrylate	8.63	69	39454	18.270	ug/l	95
57) 1,3-Dichloropropane	8.86	76	63806	17.372	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.31	63	9030	34.434	ug/l	99
59) 2-Hexanone	9.50	43	111524	90.801	ug/l	98
60) Dibromochloromethane	8.72	129	44924	16.186	ug/l	95
61) 1,2-Dibromoethane	9.00	107	37392	17.731	ug/l	98
64) Tetrachloroethene	8.17	164	51656	19.013	ug/l	95
65) Chlorobenzene	9.81	112	141137	19.579	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	56052	18.934	ug/l	96
67) Ethyl Benzene	9.90	91	273138	20.612	ug/l	98
68) m/p-Xylenes	10.14	106	188597	38.998	ug/l	97
69) o-Xylene	10.72	106	104925	20.056	ug/l	96
70) Styrene	10.79	104	142888	19.841	ug/l	97
71) Bromoform	10.78	173	22136	16.061	ug/l #	97
73) Isopropylbenzene	11.13	105	306885	20.581	ug/l	97
74) N-amyl acetate	11.37	43	66285	17.607	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	46480	17.846	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	35585	18.404	ug/l	94
77) Bromobenzene	11.50	156	61320	19.589	ug/l	98
78) n-propylbenzene	11.60	91	372937	20.983	ug/l	98
79) 2-Chlorotoluene	11.73	91	198258	19.315	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	241774	20.084	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	14836m	16.742	ug/l	
82) 4-Chlorotoluene	11.91	91	210052	20.186	ug/l	97
83) tert-Butylbenzene	12.13	119	245176	19.753	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	233737	19.504	ug/l	100
85) sec-Butylbenzene	12.31	105	342020	20.315	ug/l	100
86) p-Isopropyltoluene	12.47	119	278547	20.080	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	118657	19.644	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	113480	19.255	ug/l	99
89) n-Butylbenzene	12.85	91	294344	20.652	ug/l	96
90) Hexachloroethane	12.92	117	63158	18.454	ug/l	99
91) 1,2-Dichlorobenzene	12.94	146	110546	18.945	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7745	16.547	ug/l	91

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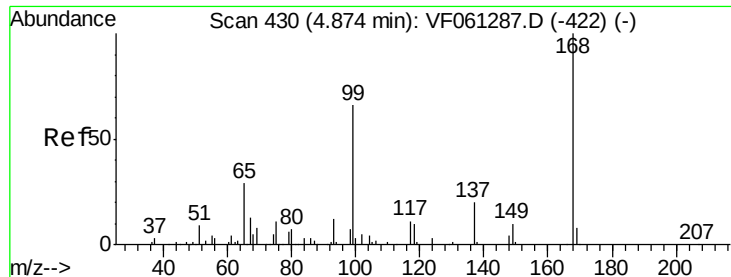
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	77823	19.047	ug/l	93
94) Hexachlorobutadiene	14.20	225	48964	18.809	ug/l	96
95) Naphthalene	14.46	128	135028	17.680	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	69177	18.260	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

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Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 230100

Ion Ratio Lower Upper

168 100

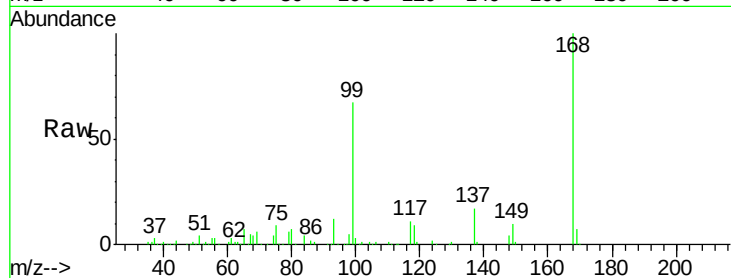
99 66.8 52.7 79.1

Manual Integrations

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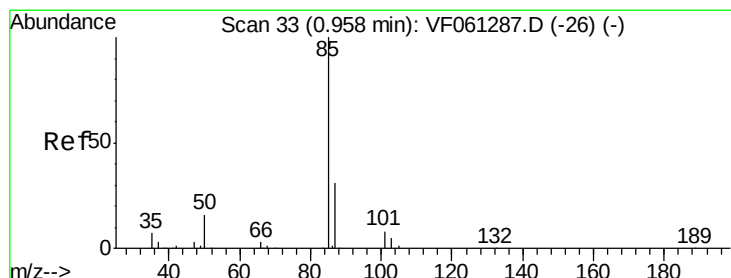
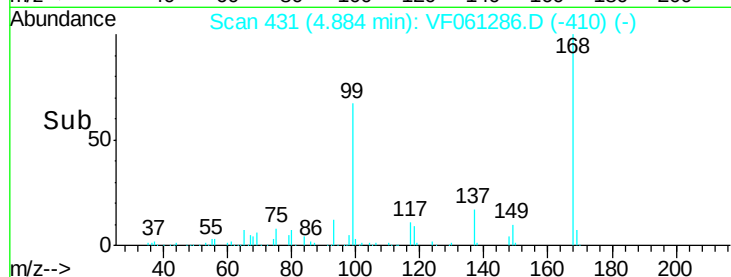
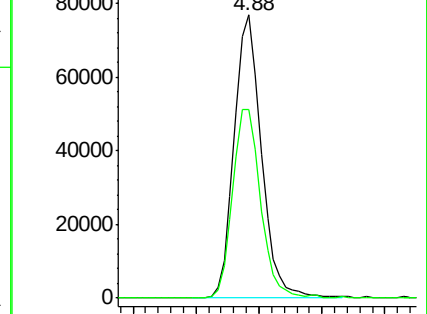
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 17.660 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061286.D

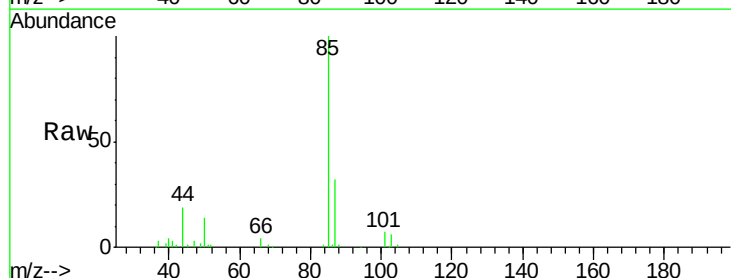
Acq: 8 Jan 2019 15:02

Tgt Ion: 85 Resp: 78024

Ion Ratio Lower Upper

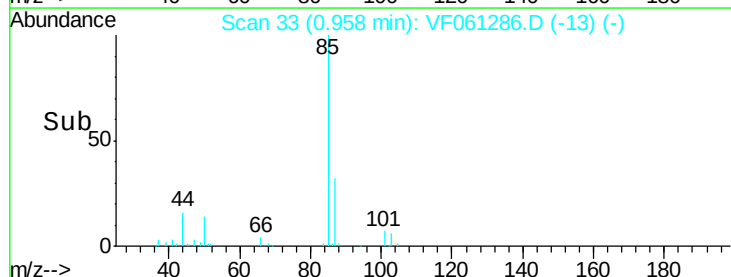
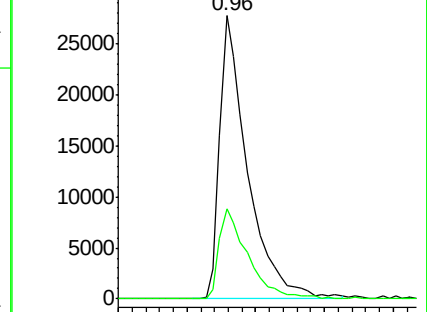
85 100

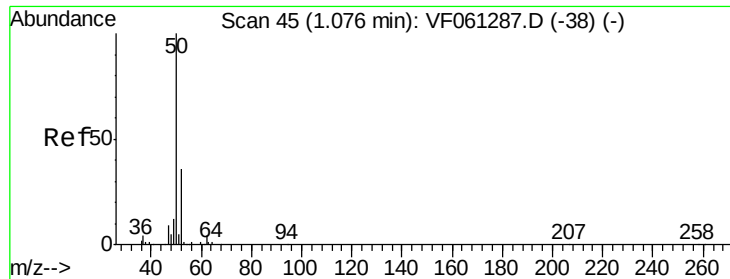
87 31.7 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 20.711 ug/l

RT: 1.09 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 70099

Ion Ratio Lower Upper

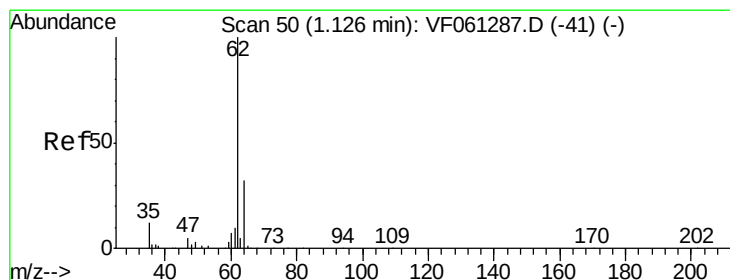
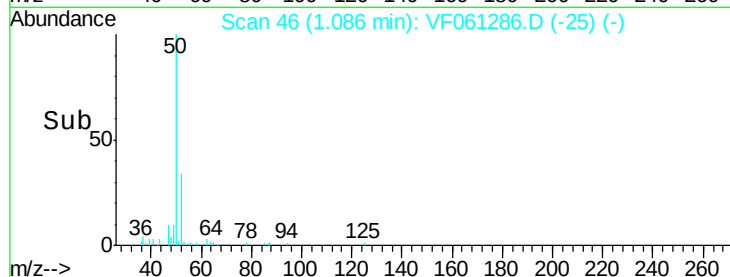
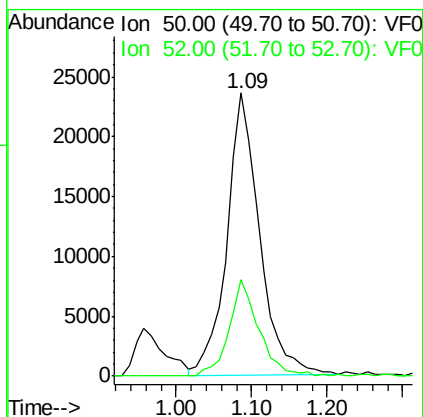
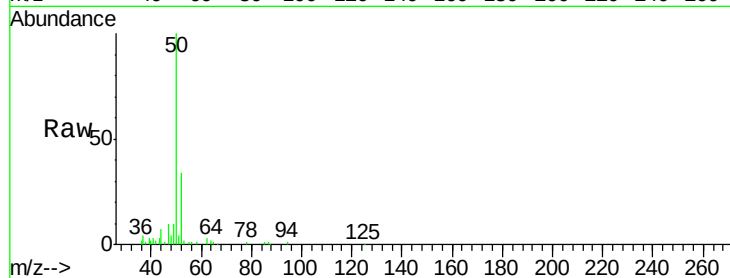
50 100

52 34.2 28.2 42.2

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#4

Vinyl Chloride

Concen: 21.397 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.01 min

Lab File: VF061286.D

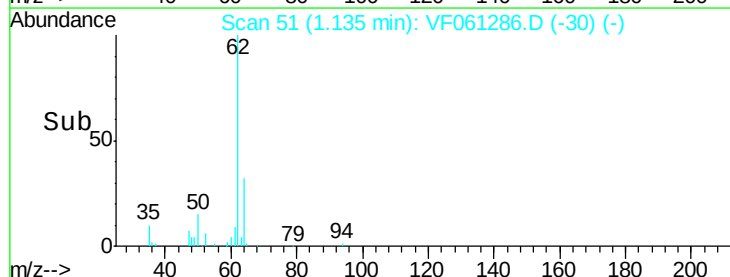
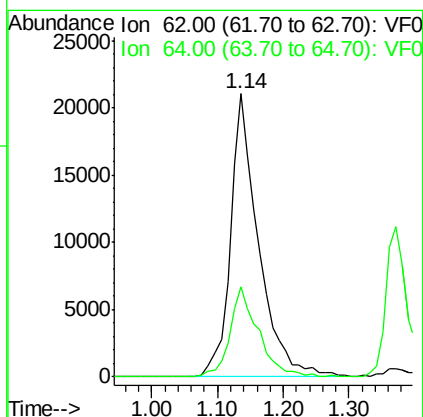
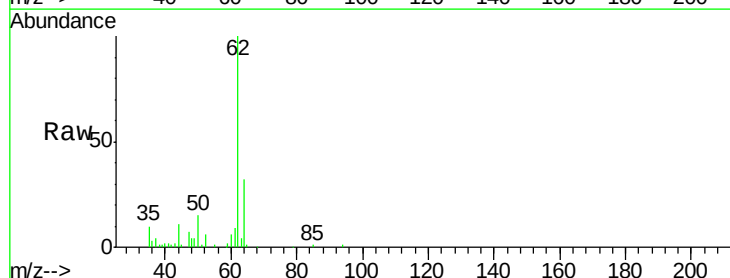
Acq: 8 Jan 2019 15:02

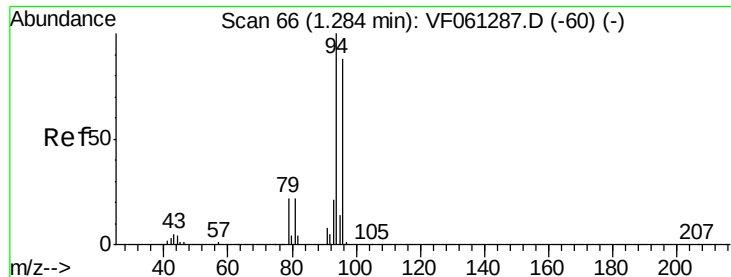
Tgt Ion: 62 Resp: 62730

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 19.333 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.02 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 38749

Ion Ratio Lower Upper

94 100

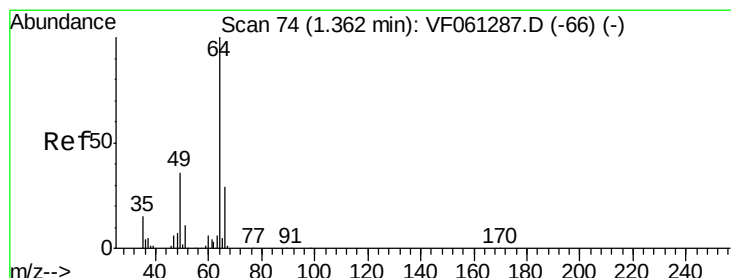
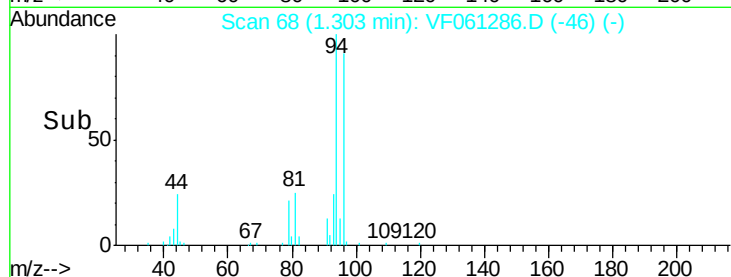
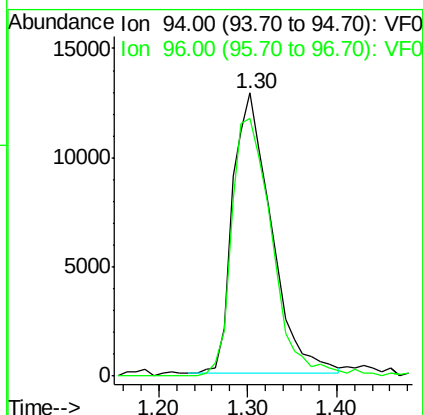
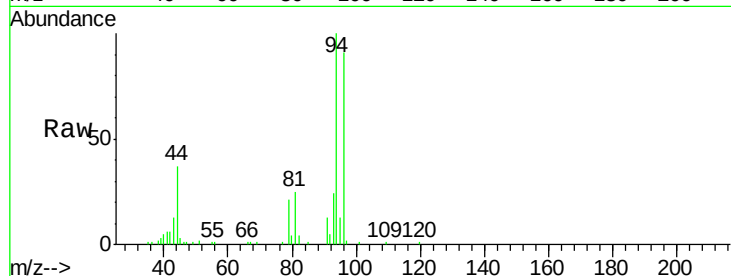
96 90.9 70.2 105.4

Manual Integrations

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#6

Chloroethane

Concen: 19.338 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.01 min

Lab File: VF061286.D

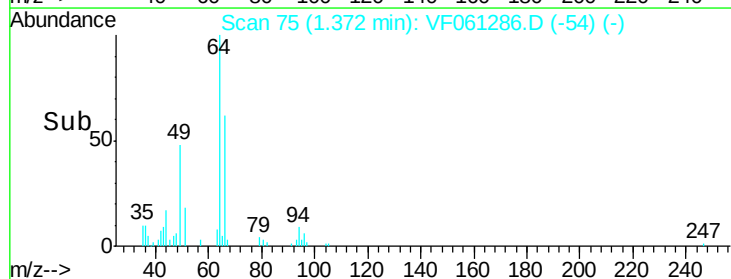
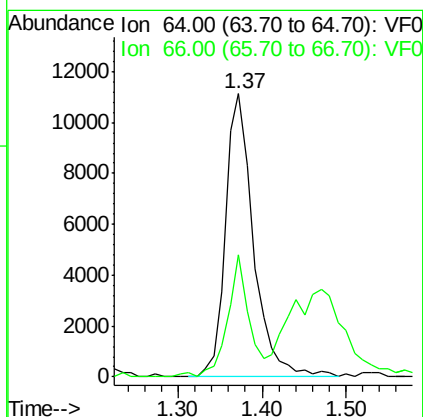
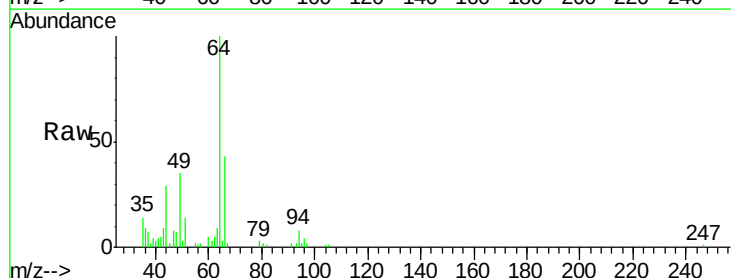
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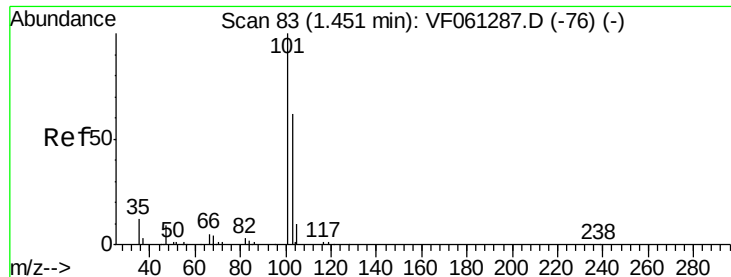
Tgt Ion: 64 Resp: 25693

Ion Ratio Lower Upper

64 100

66 43.1 23.4 35.0#





#7

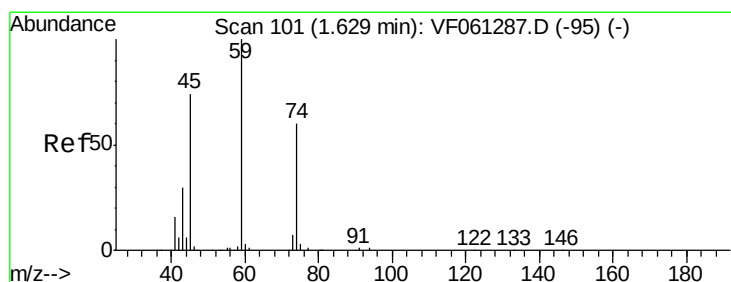
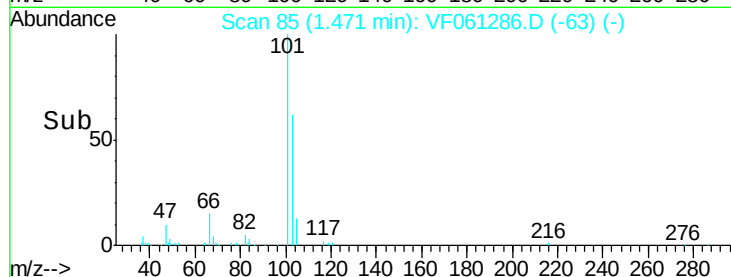
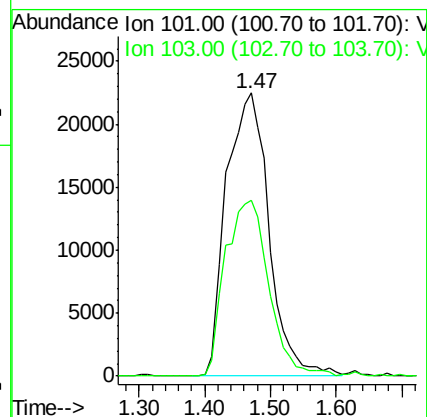
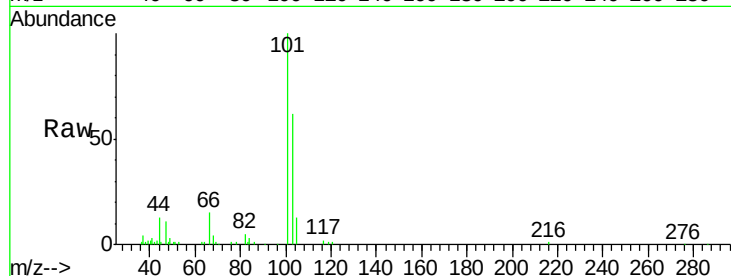
Trichlorofluoromethane
Concen: 19.311 ug/l
RT: 1.47 min Scan# 85
Delta R.T. 0.02 min
Lab File: VF061286.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	49.9	74.9

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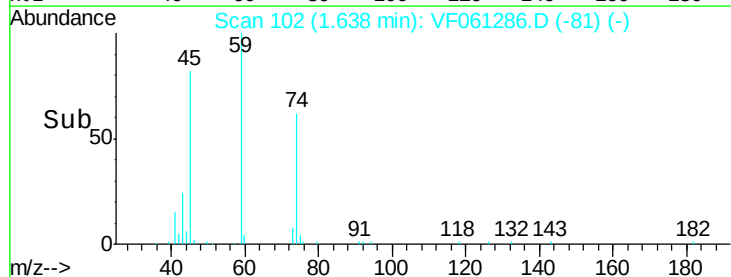
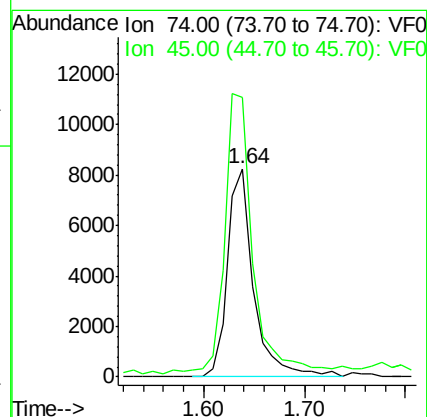
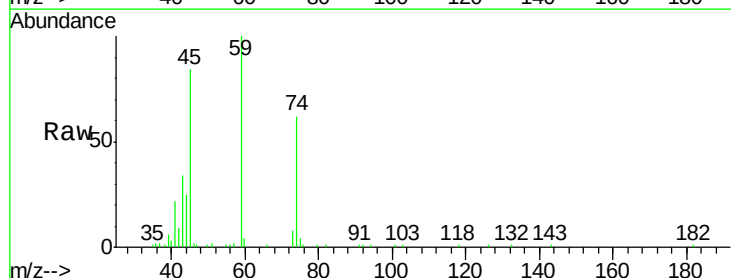
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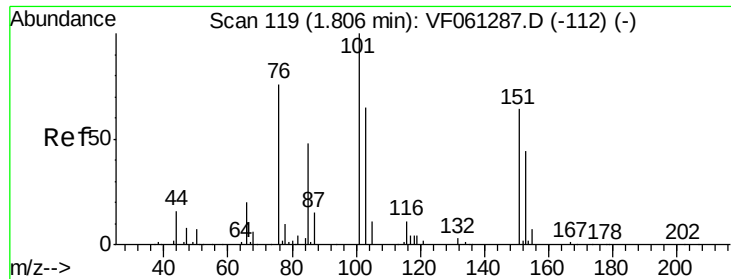


#8

Diethyl Ether
Concen: 19.760 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.3	62.1	186.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.228 ug/l

RT: 1.82 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

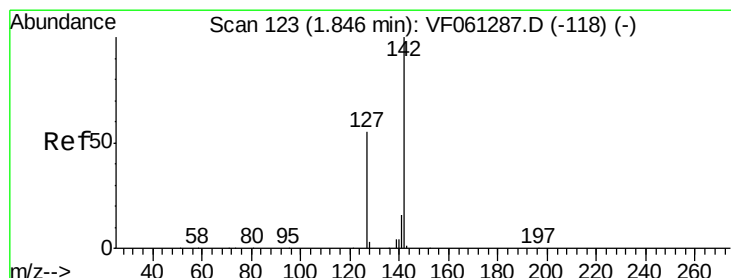
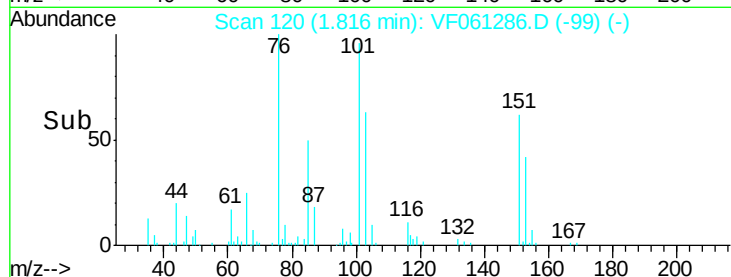
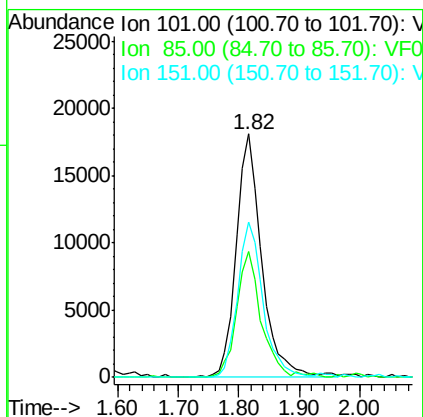
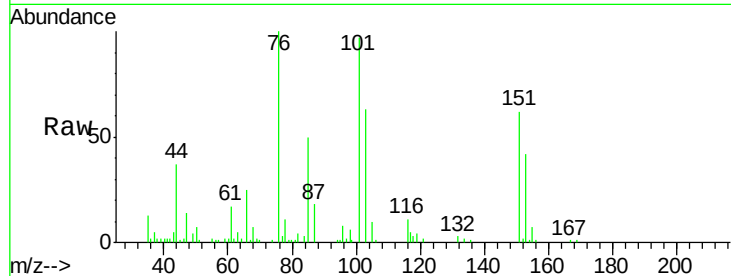
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	53317
Ion Ratio	Lower	Upper	
101	100		
85	51.7	38.4	57.6
151	63.9	51.4	77.2

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#10

Methyl Iodide

Concen: 19.432 ug/l

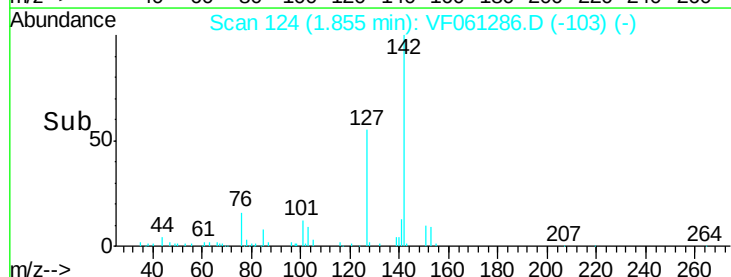
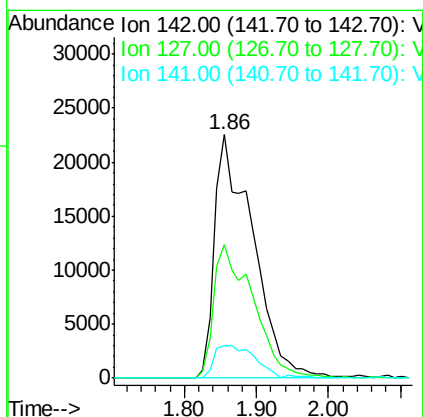
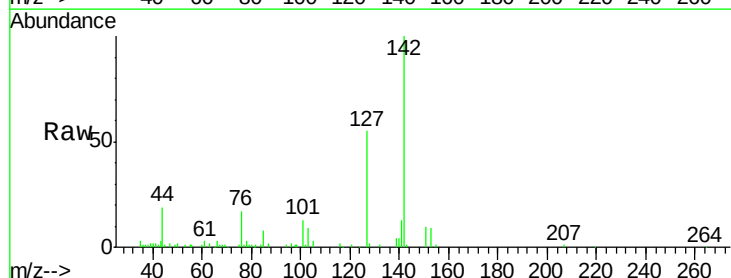
RT: 1.86 min Scan# 124

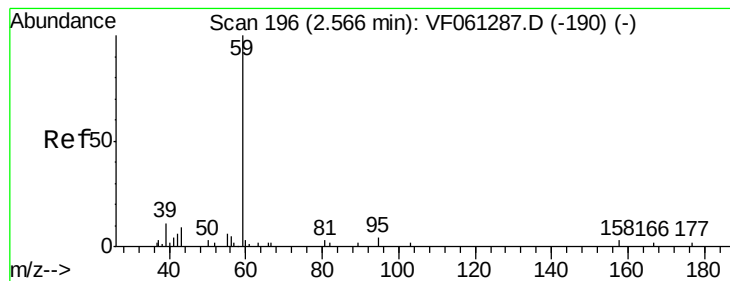
Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion:	142	Resp:	82754
Ion Ratio	Lower	Upper	
142	100		
127	55.0	44.3	66.5
141	13.4	13.2	19.8





#11

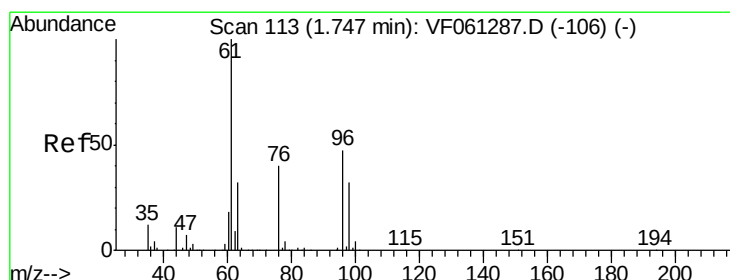
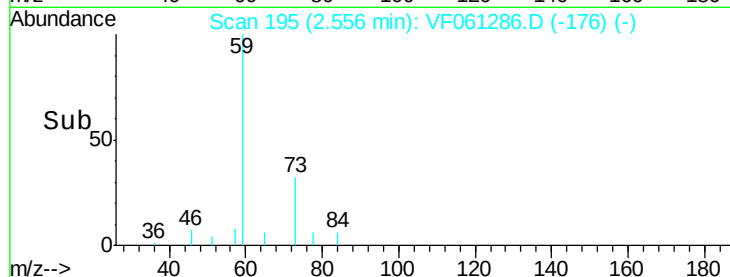
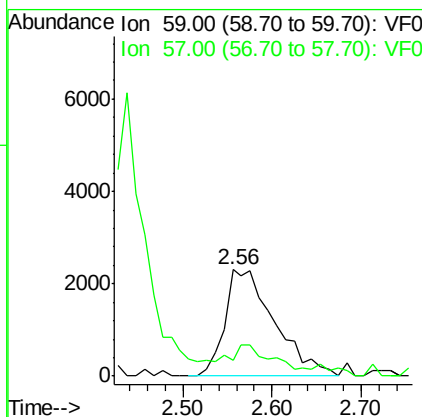
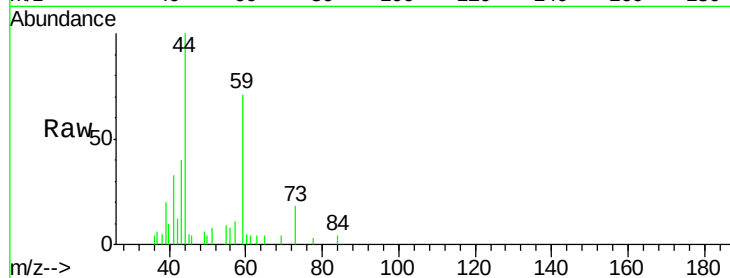
Tert butyl alcohol
Concen: 72.909 ug/l
RT: 2.56 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.8	15.1	22.7#

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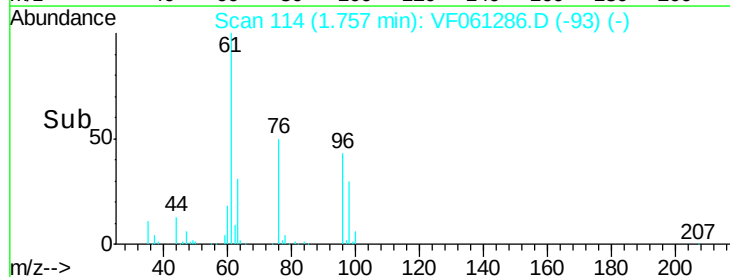
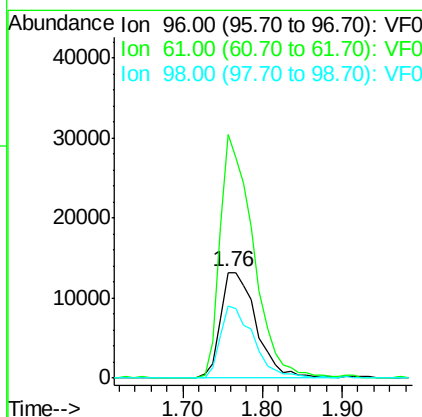
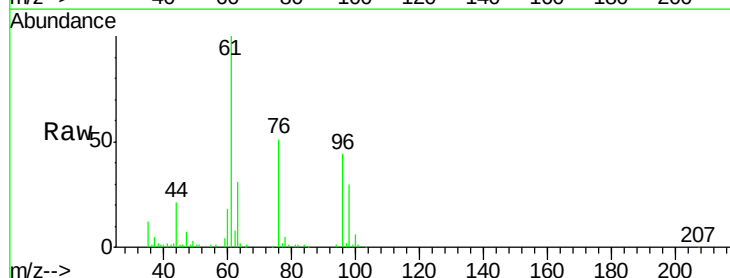
MMDadoda
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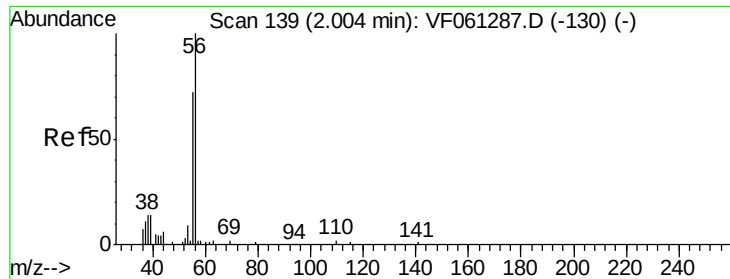


#12

1,1-Dichloroethene
Concen: 18.825 ug/l
RT: 1.76 min Scan# 114
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	229.8	171.8	257.8
98	68.6	54.2	81.4





#13

Acrolein

Concen: 107.297 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 12378

Ion Ratio Lower Upper

56 100

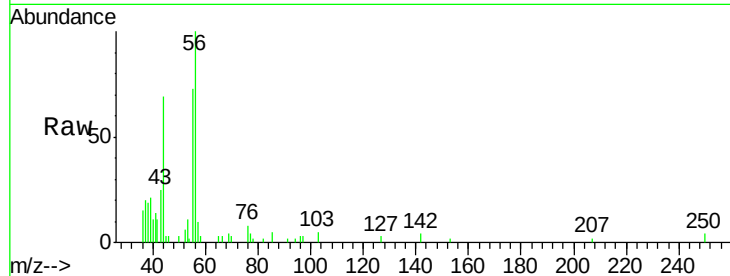
55 72.6 59.4 89.0

Manual Integrations

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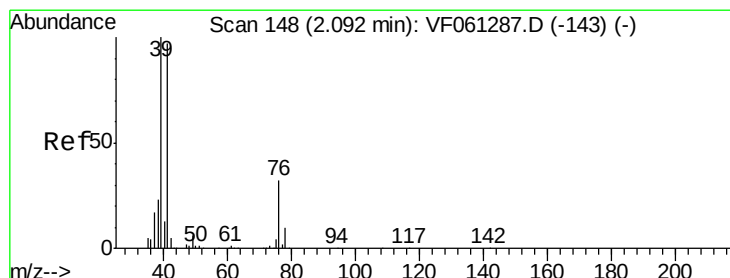
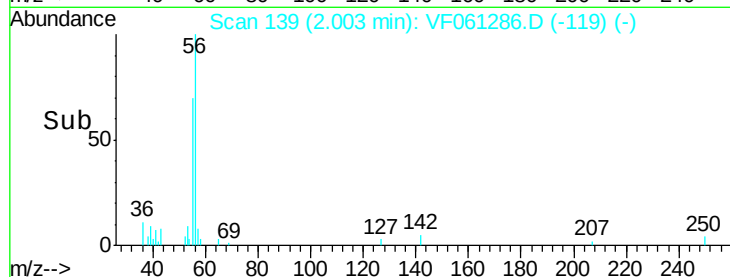
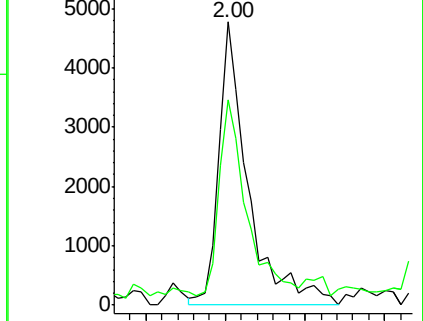
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 26.768 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

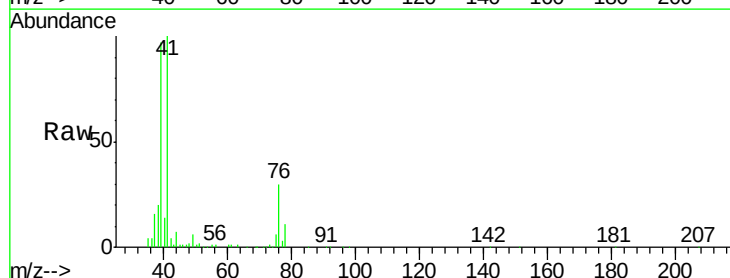
Tgt Ion: 41 Resp: 81991

Ion Ratio Lower Upper

41 100

39 97.4 82.6 123.8

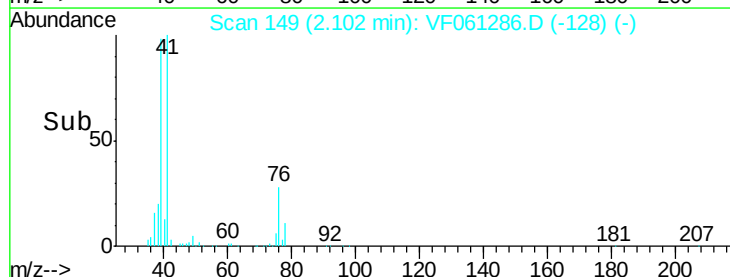
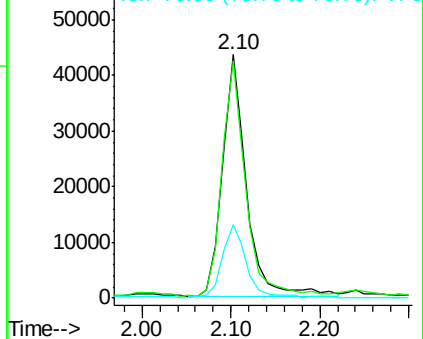
76 29.9 26.9 40.3

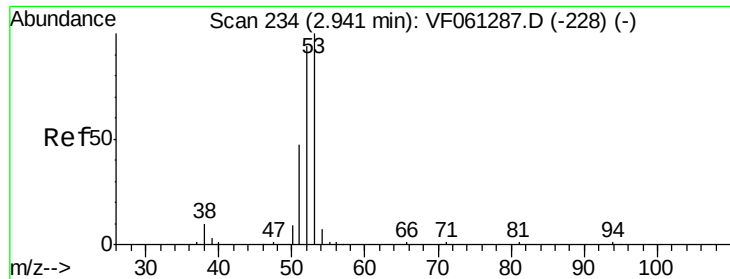


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 92.013 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

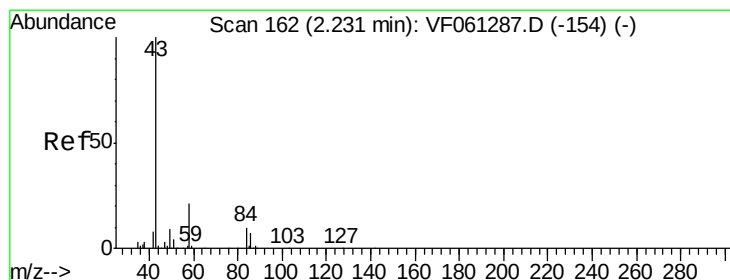
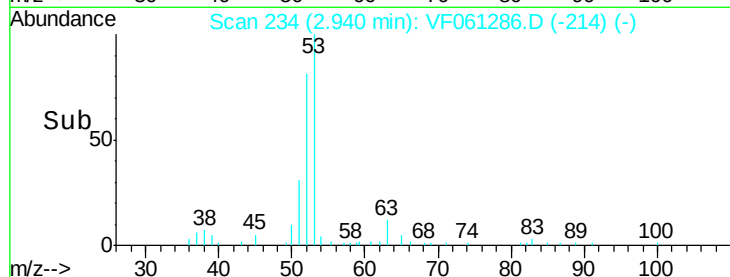
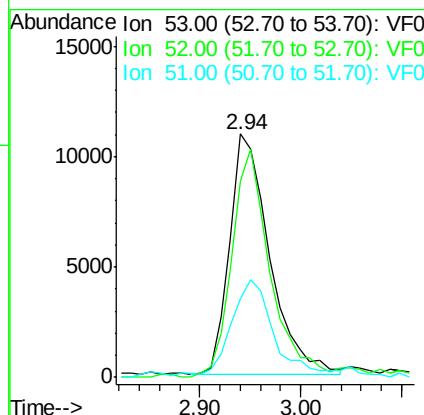
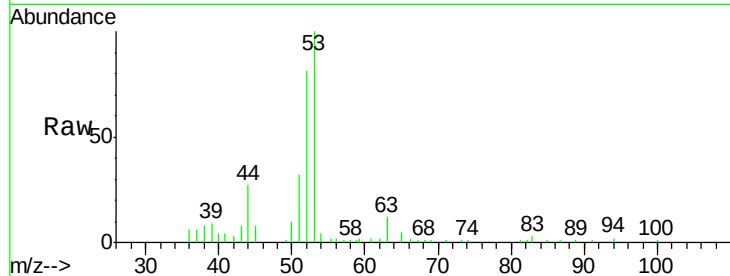
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	30318
Ion	Ratio	Lower	Upper
53	100		
52	80.8	74.6	111.8
51	32.0	37.8	56.6#

Manual Integrations
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#16

Acetone

Concen: 97.359 ug/l

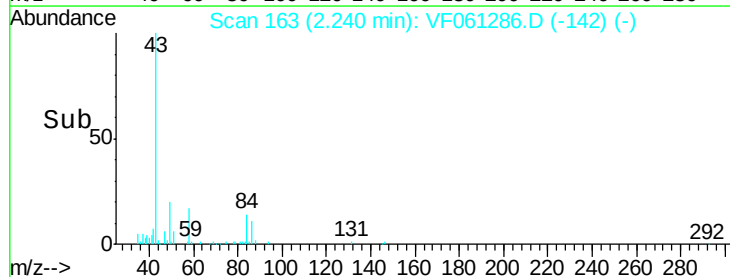
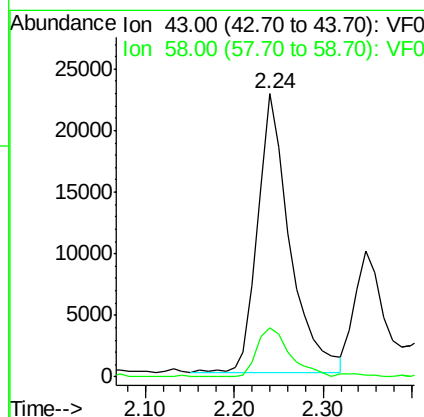
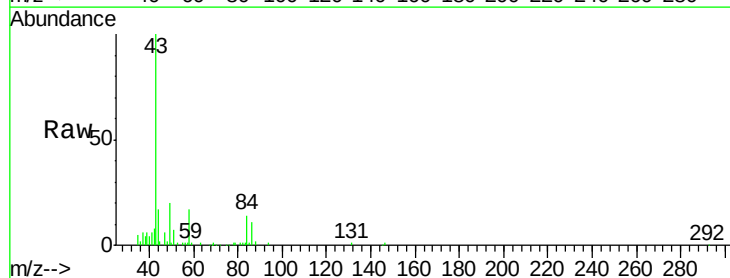
RT: 2.24 min Scan# 163

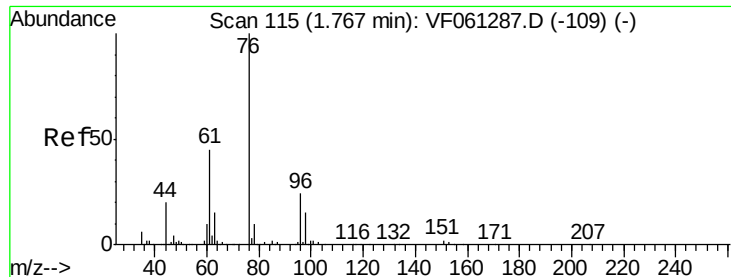
Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion:	43	Resp:	56950
Ion	Ratio	Lower	Upper
43	100		
58	17.5	16.6	25.0





#17

Carbon Disulfide

Concen: 20.851 ug/l

RT: 1.79 min Scan# 117

Delta R.T. 0.02 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 140671

Ion Ratio Lower Upper

76 100

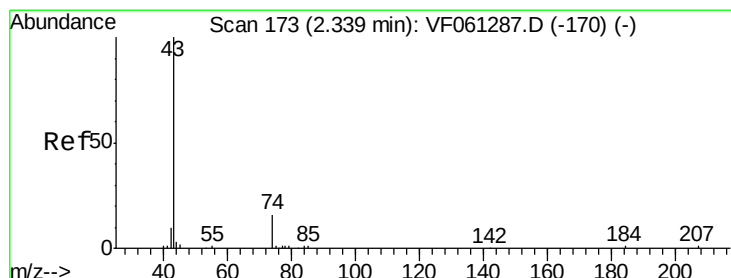
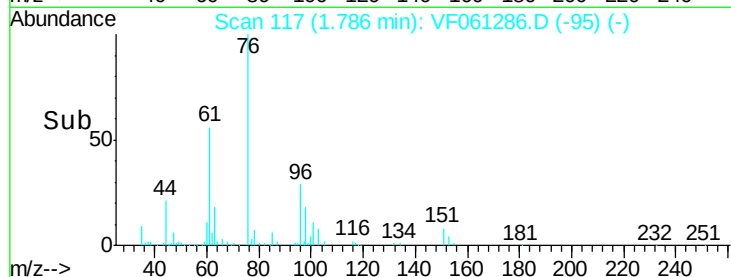
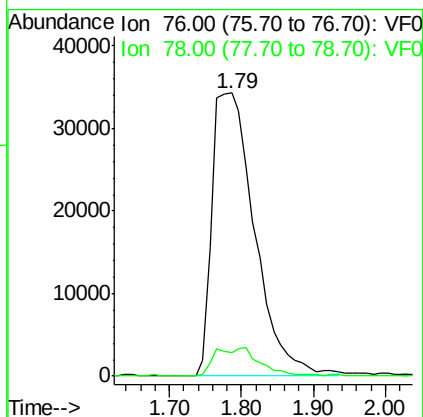
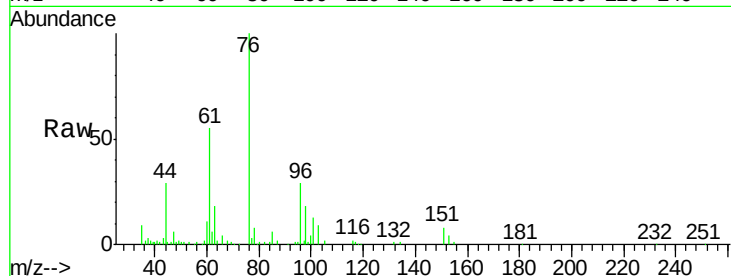
78 8.3 7.8 11.6

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#18

Methyl Acetate

Concen: 18.261 ug/l m

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061286.D

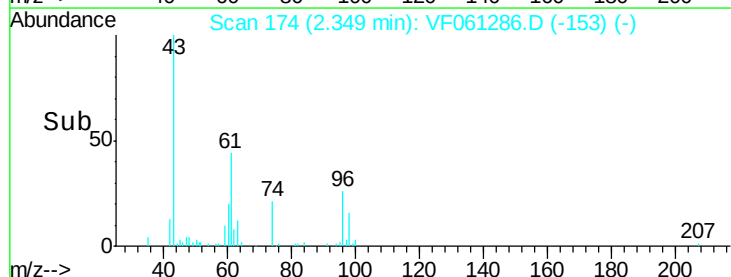
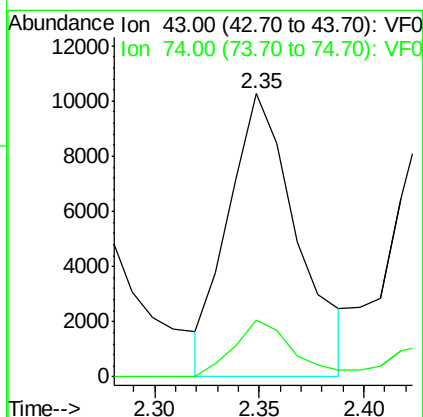
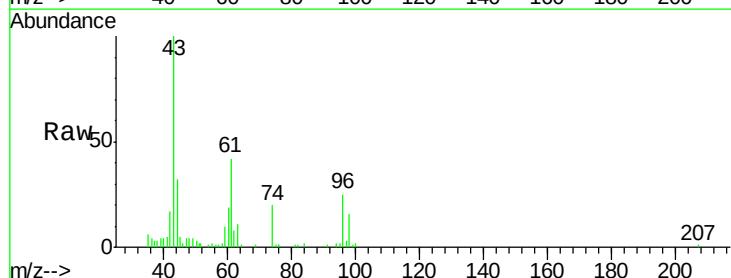
Acq: 8 Jan 2019 15:02

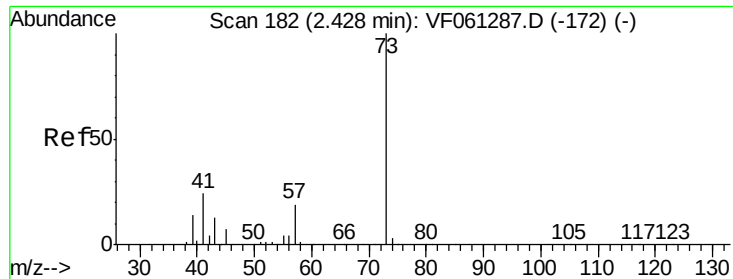
Tgt Ion: 43 Resp: 23638

Ion Ratio Lower Upper

43 100

74 19.8 11.6 17.4#





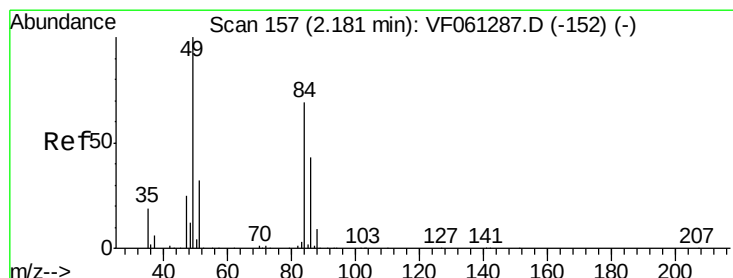
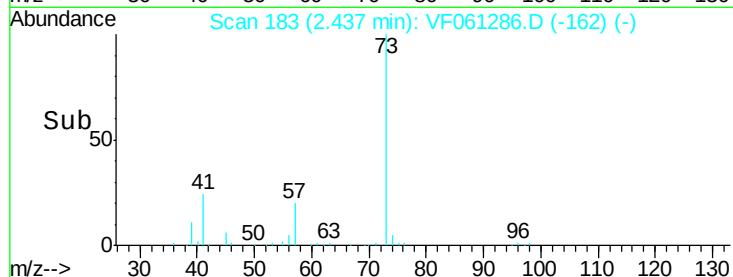
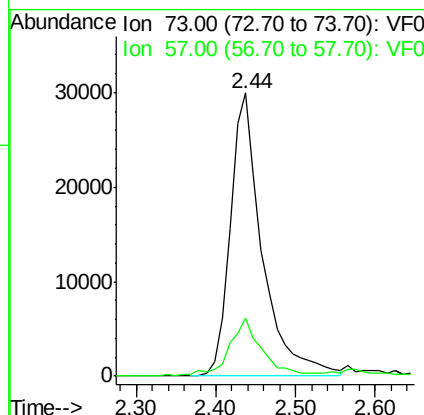
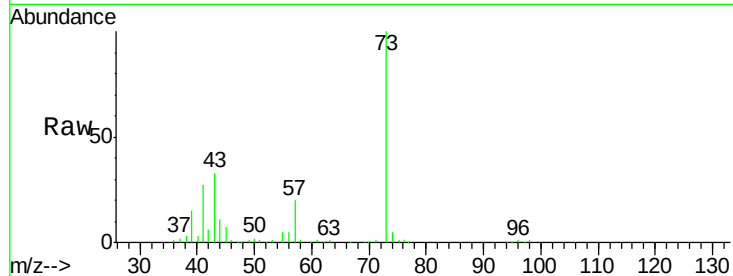
#19
Methyl tert-butyl Ether
Concen: 18.166 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	73	Resp	83897
Ion Ratio	100	Lower	Upper
73	100	15.5	23.3
57	20.5		

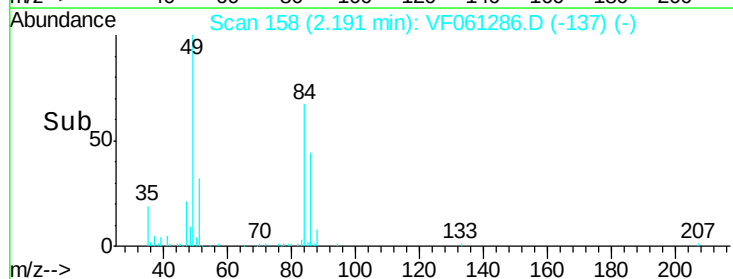
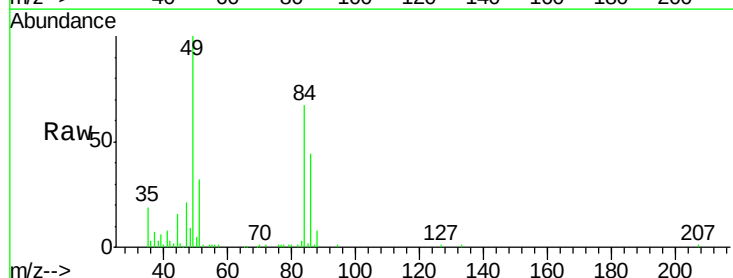
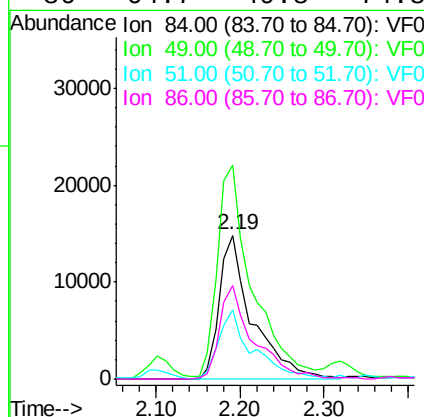
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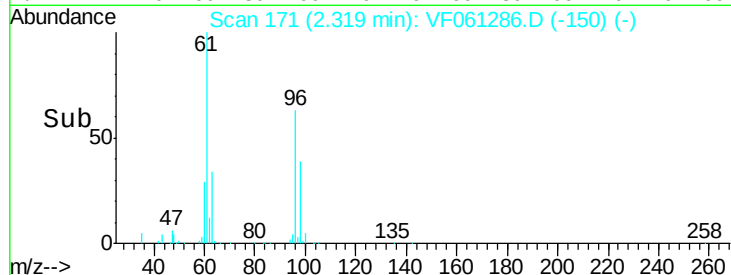
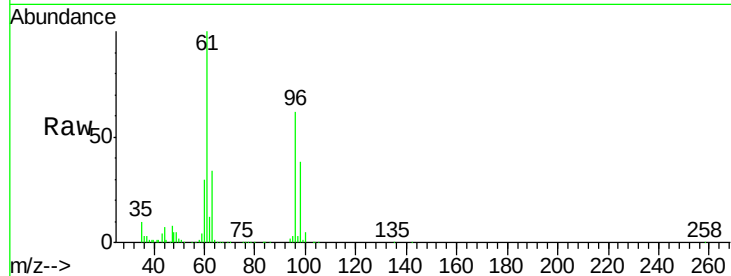
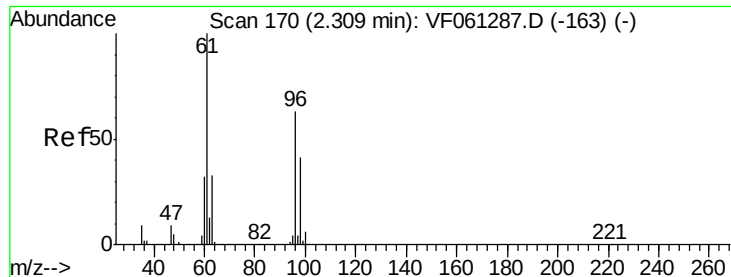
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#20
Methylene Chloride
Concen: 15.036 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	84	Resp	40818
Ion Ratio	100	Lower	Upper
84	100	116.6	175.0
49	148.6	37.7	56.5
51	47.9	49.8	74.8
86	64.7		





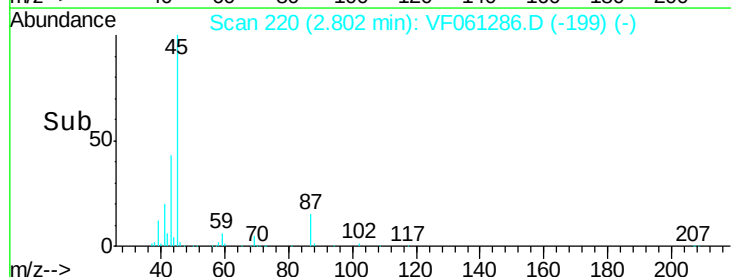
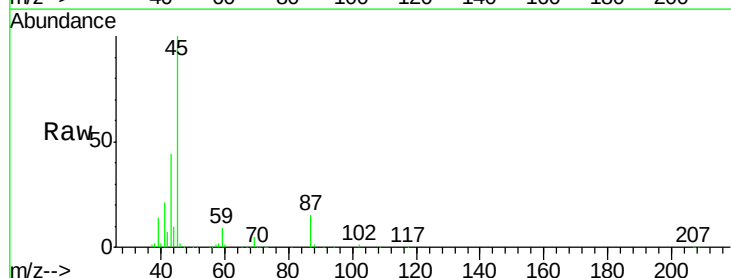
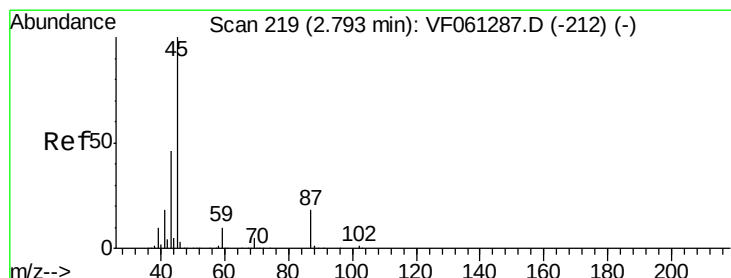
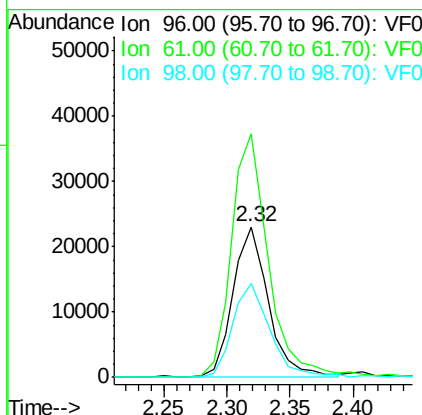
#21
trans-1,2-Dichloroethene
Concen: 19.386 ug/l
RT: 2.32 min Scan# 171
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tot Ion:	96	Resp:	45176
Ion	Ratio	Lower	Upper
96	100		
61	161.6	127.0	190.4
98	62.2	51.7	77.5

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

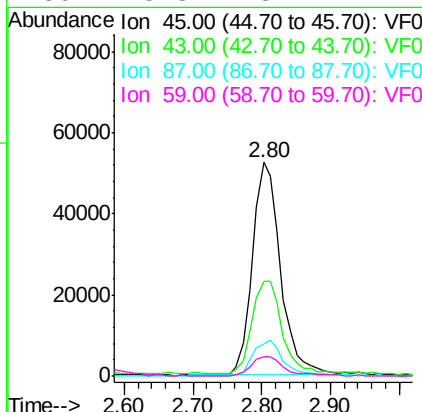
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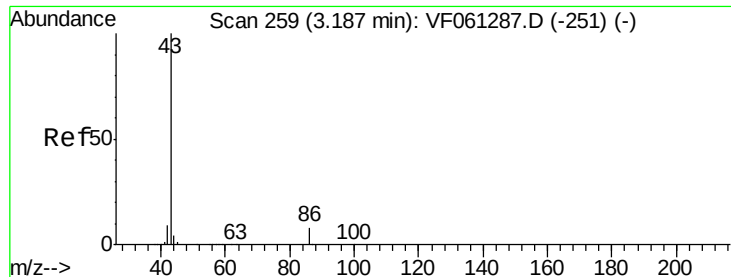
MMDadoda
1/9/2019 11:44:50 AM



#22
Diisopropyl ether
Concen: 19.538 ug/l
RT: 2.80 min Scan# 220
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion:	45	Resp:	150484
Ion	Ratio	Lower	Upper
45	100		
43	44.5	37.4	56.2
87	15.2	14.2	21.2
59	8.8	8.2	12.2





#23

Vinyl Acetate

Concen: 62.591 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 220775

Ion Ratio Lower Upper

43 100

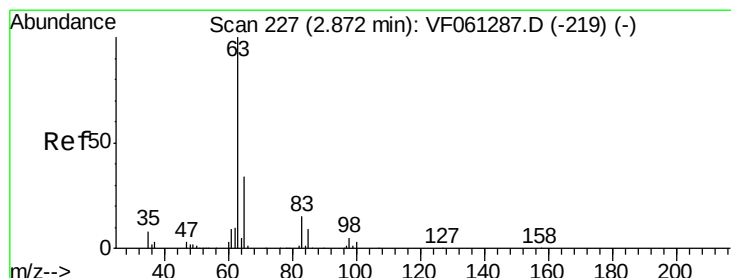
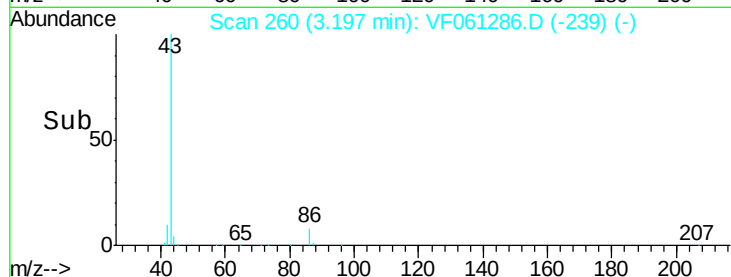
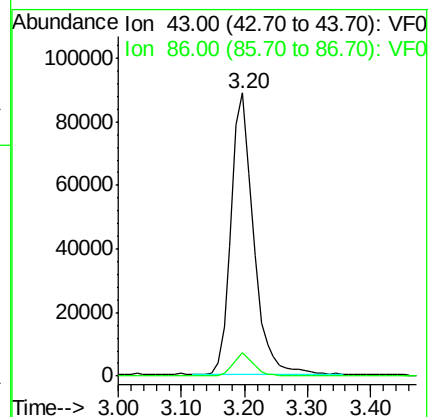
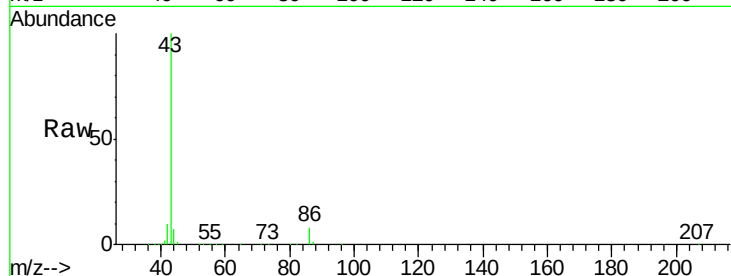
86 8.1 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 19.391 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

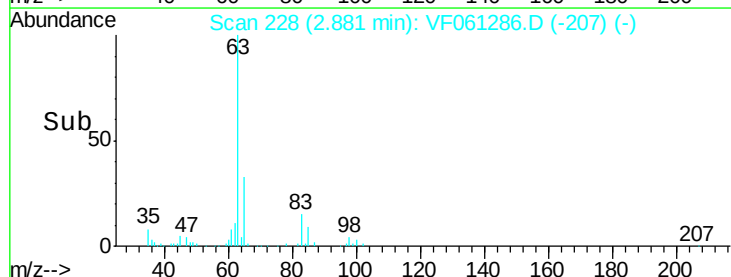
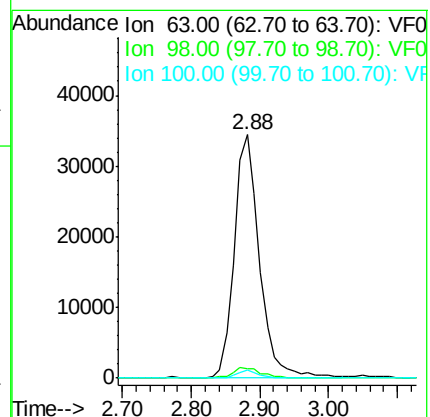
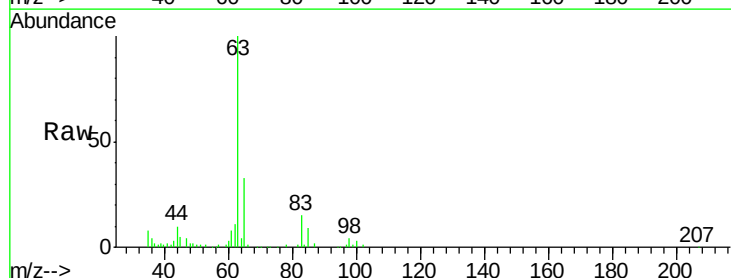
Tgt Ion: 63 Resp: 87562

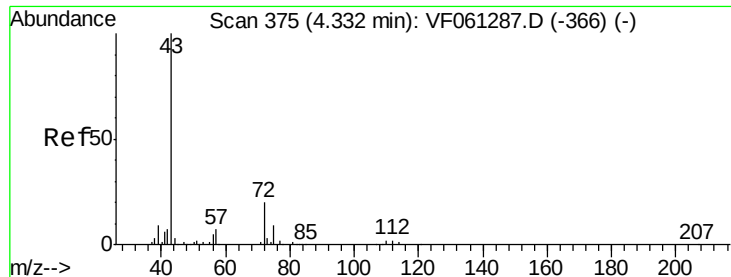
Ion Ratio Lower Upper

63 100

98 3.7 2.5 7.6

100 3.2 1.7 5.0





#25

2-Butanone

Concen: 83.396 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 91574

Ion Ratio Lower Upper

43 100

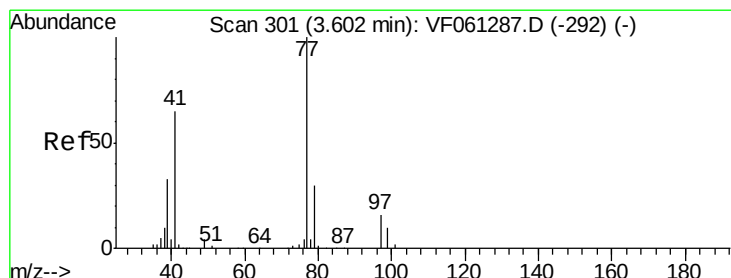
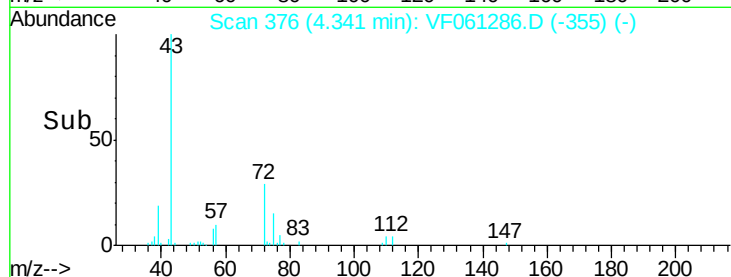
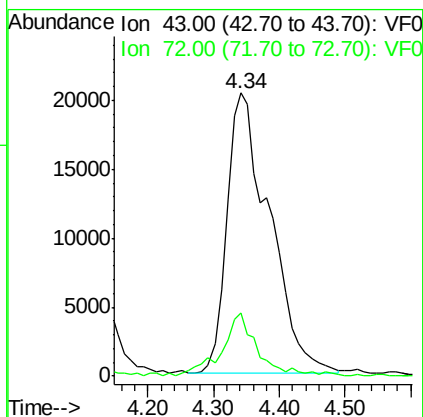
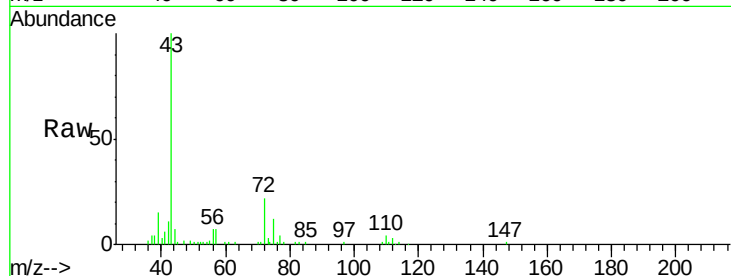
72 22.3 16.5 24.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.458 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF061286.D

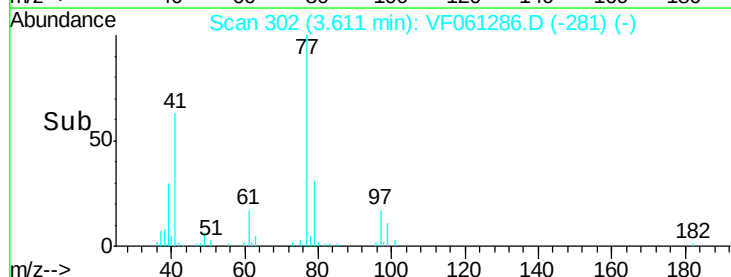
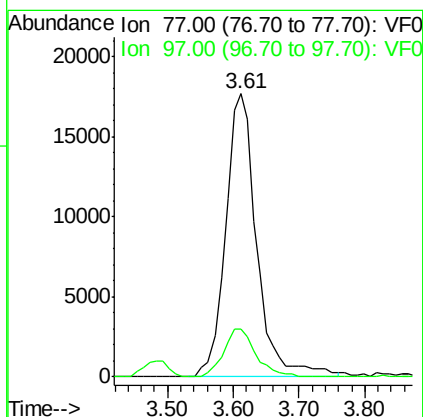
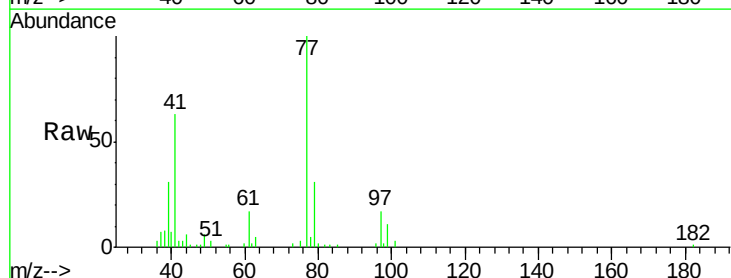
Acq: 8 Jan 2019 15:02

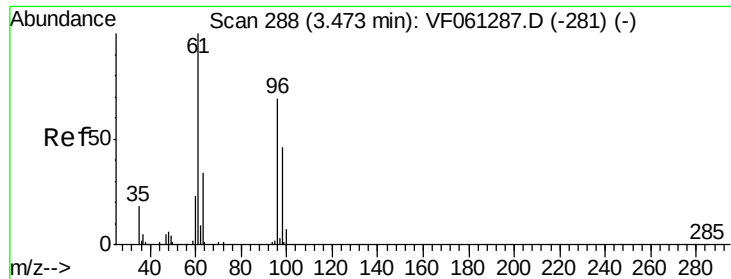
Tgt Ion: 77 Resp: 58400

Ion Ratio Lower Upper

77 100

97 16.8 8.6 25.9





#27

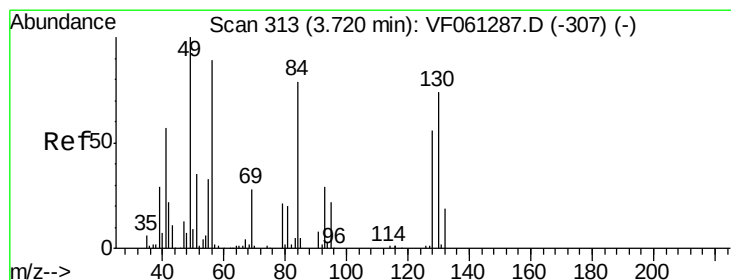
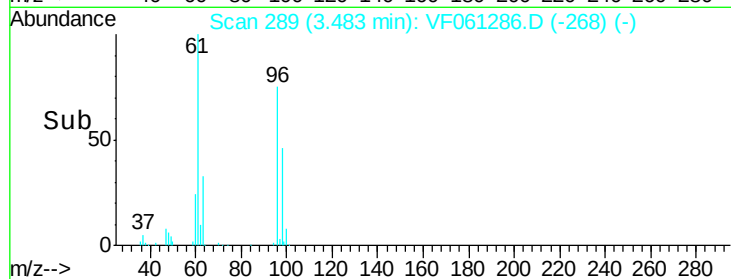
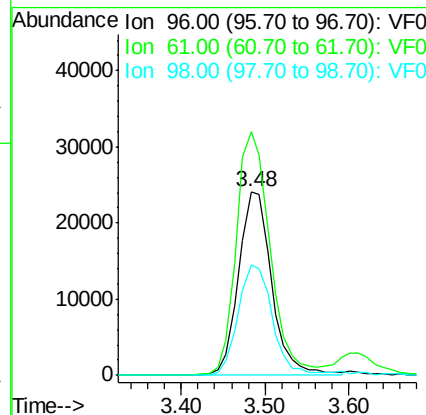
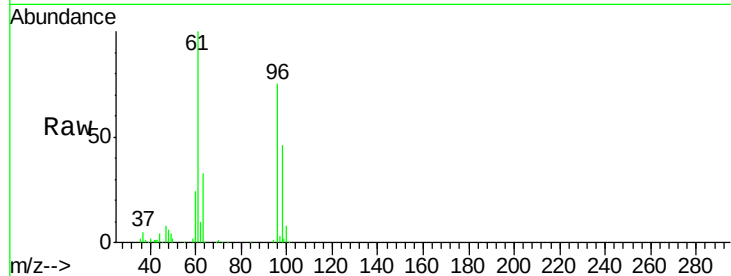
cis-1,2-Dichloroethene
Concen: 19.435 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	288.2
98	60.5	0.0	132.2

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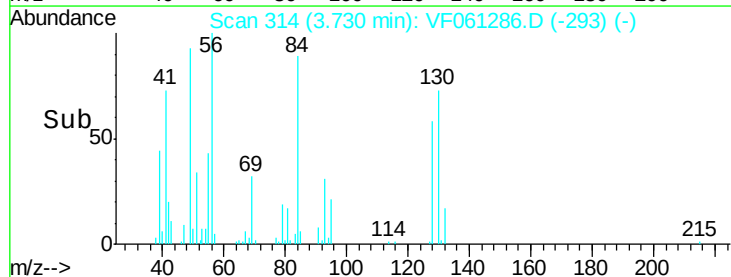
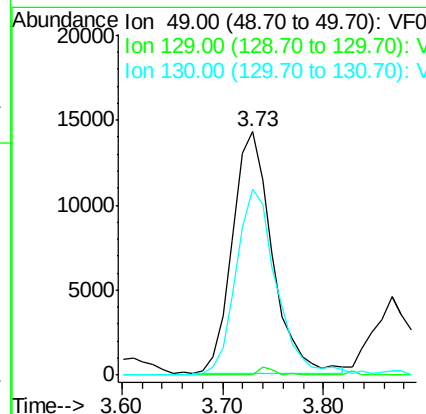
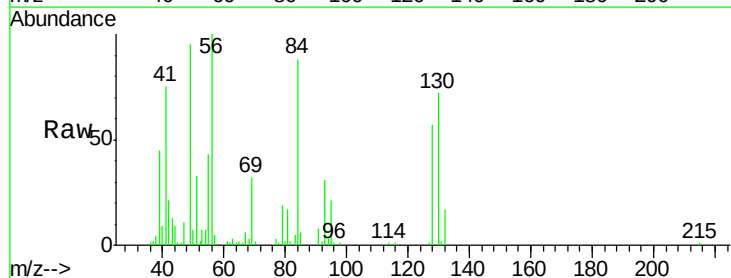
MMDadoda
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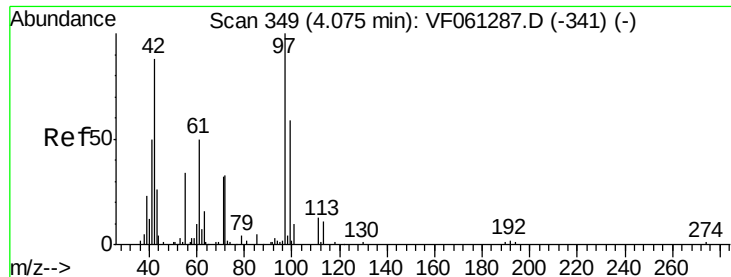


#28

Bromochloromethane
Concen: 18.166 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	76.3	58.6	88.0





#29

Tetrahydrofuran

Concen: 86.311 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

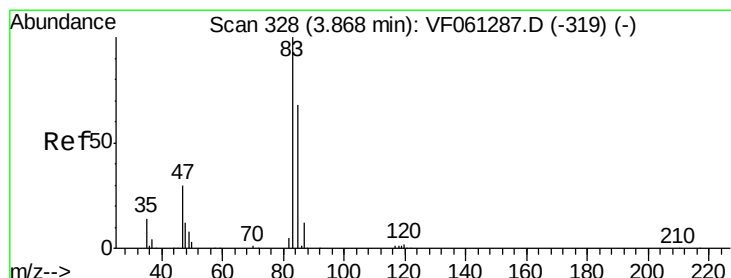
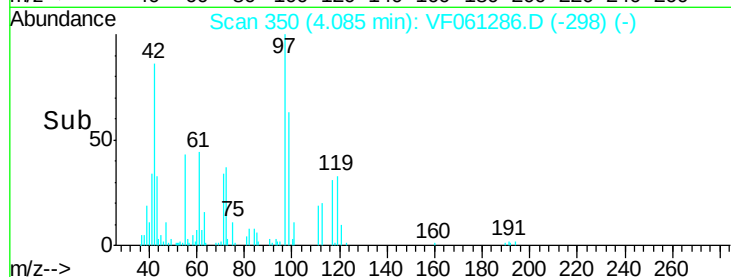
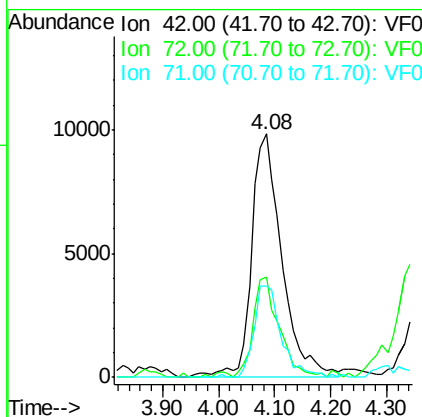
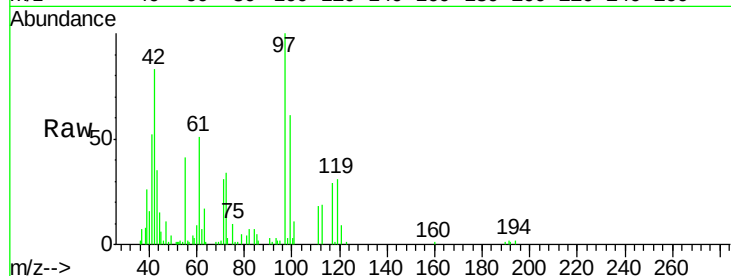
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	36849
Ion	Ratio	Lower	Upper
42	100		
72	35.3	32.3	48.5
71	33.9	29.5	44.3

Manual Integrations
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#30

Chloroform

Concen: 18.571 ug/l

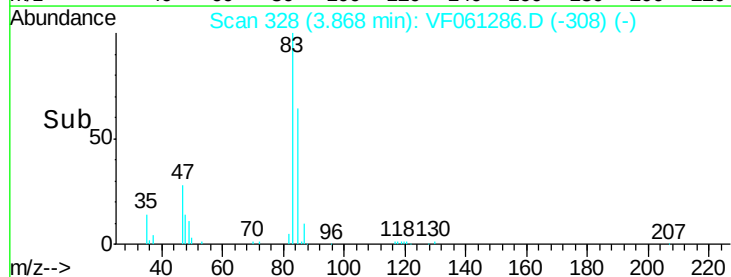
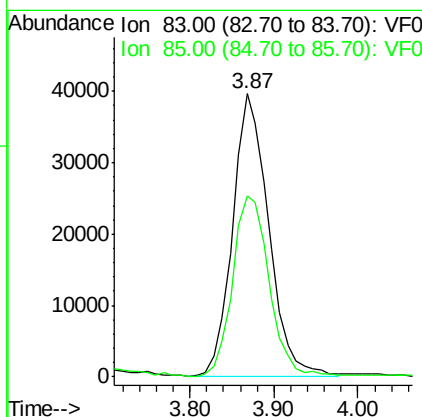
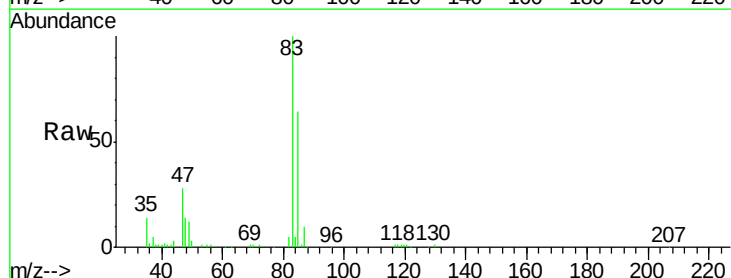
RT: 3.87 min Scan# 328

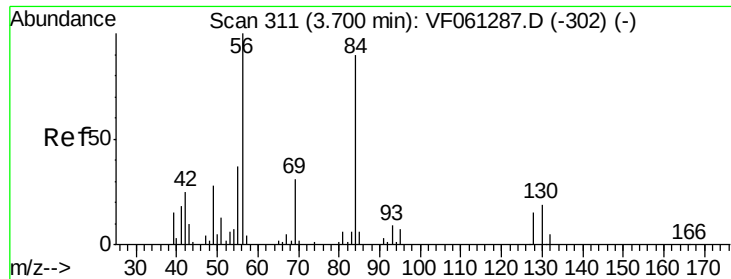
Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion:	83	Resp:	117302
Ion	Ratio	Lower	Upper
83	100		
85	64.0	54.4	81.6





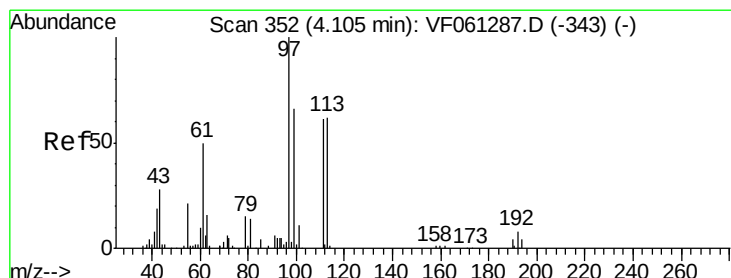
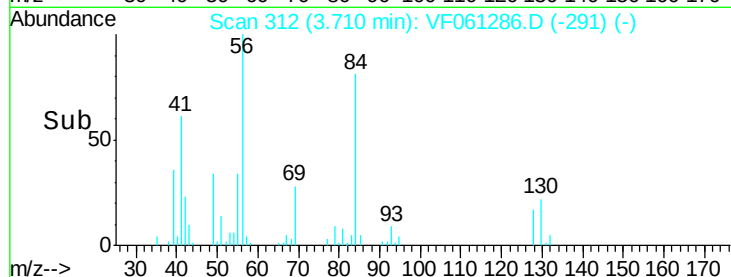
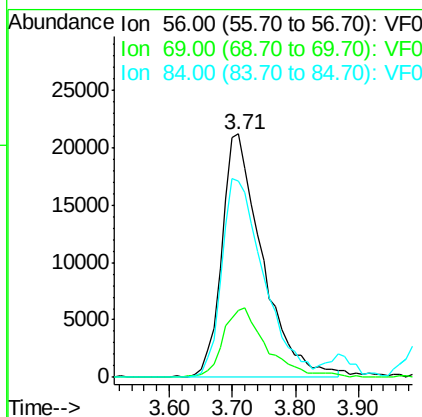
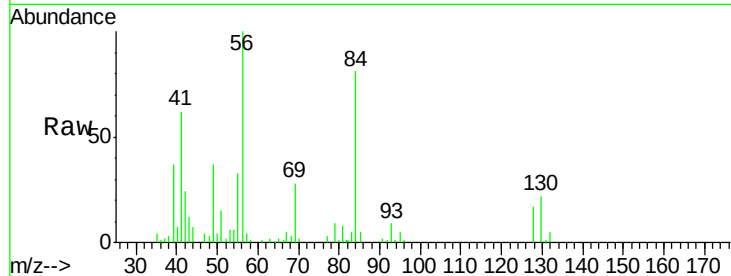
#31
Cyclohexane
Concen: 19.739 ug/l
RT: 3.71 min Scan# 312
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	27.7	24.7	37.1	
84	80.6	72.2	108.4	

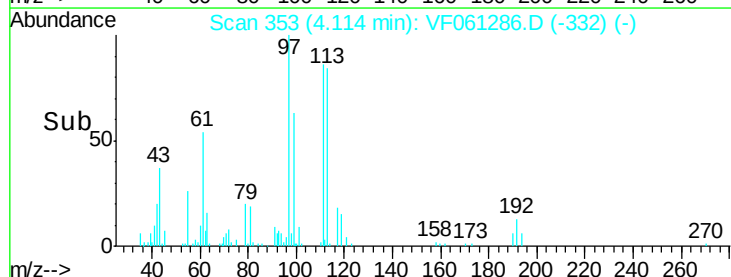
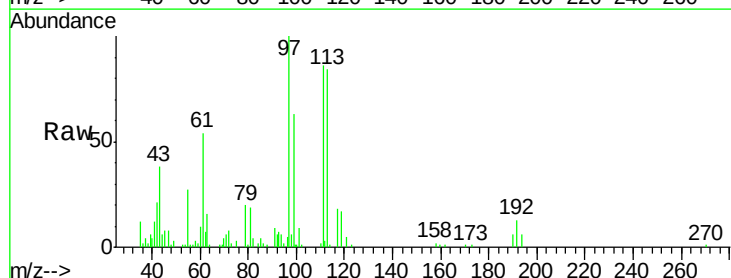
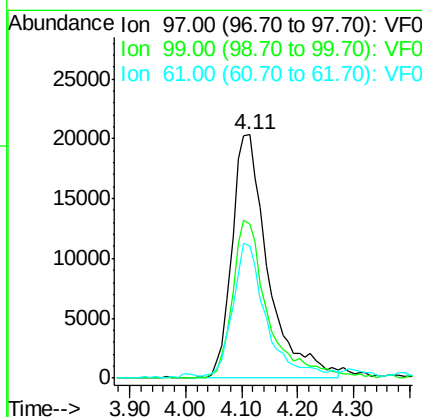
Manual Integrations
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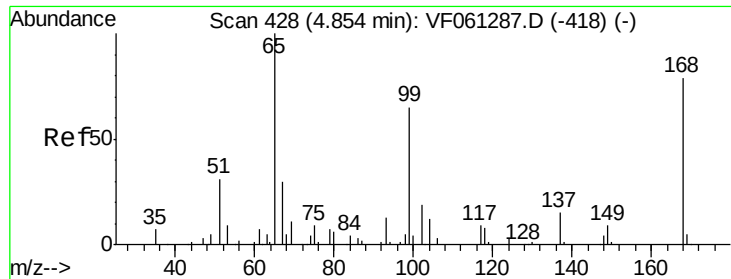
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#32
1,1,1-Trichloroethane
Concen: 22.163 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.4	52.7	79.1	
61	54.2	40.8	61.2	





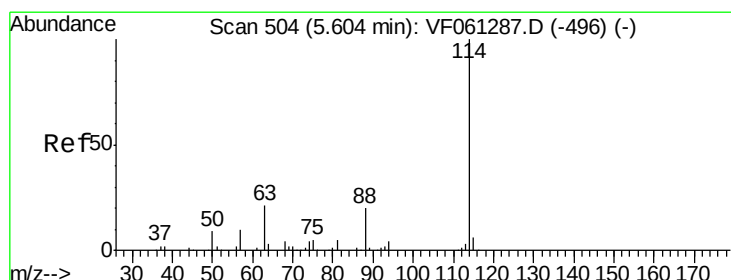
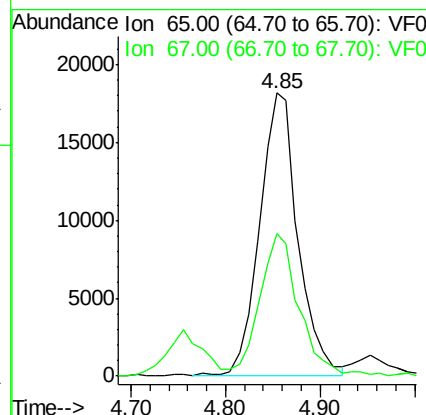
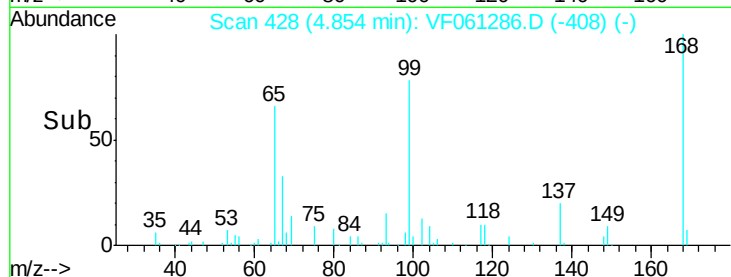
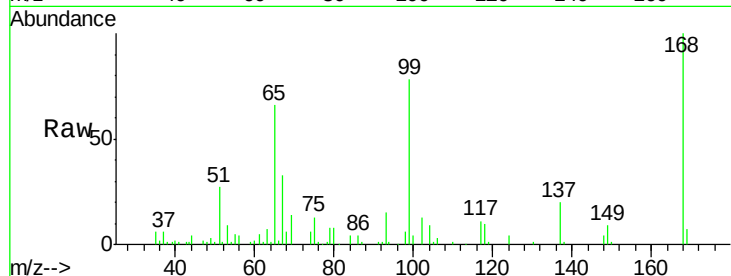
#33
 1,2-Dichloroethane-d4
 Concen: 17.596 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	51395		
67	50.4	0.0	98.2	

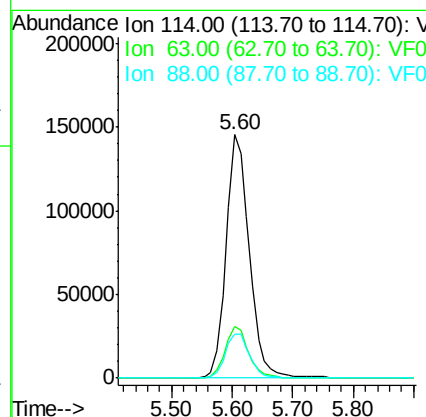
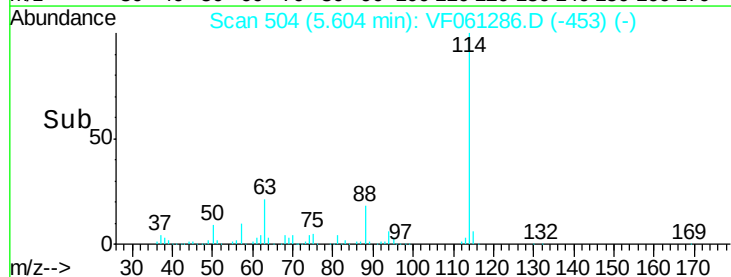
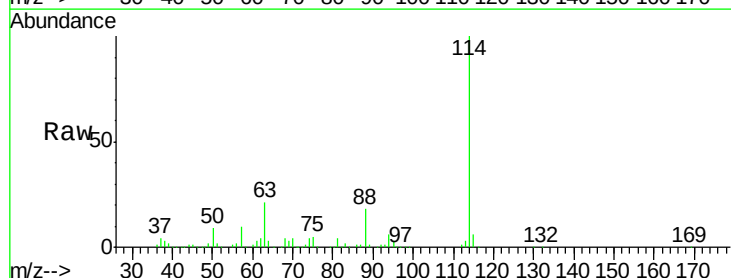
Manual Integrations
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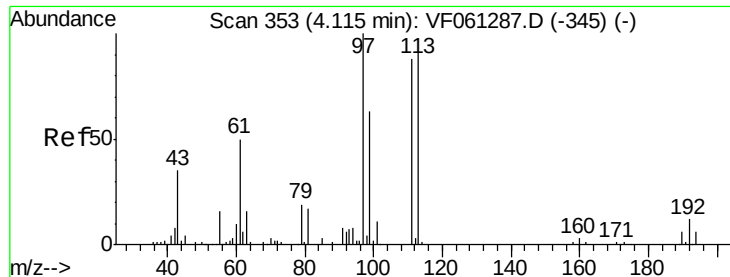
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	389307		
63	21.5	0.0	42.8	
88	18.2	0.0	40.0	





#35

Dibromofluoromethane

Concen: 19.718 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

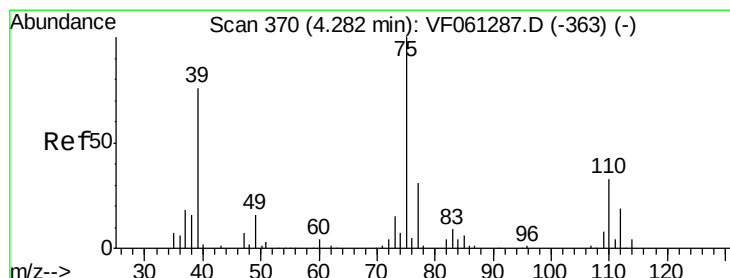
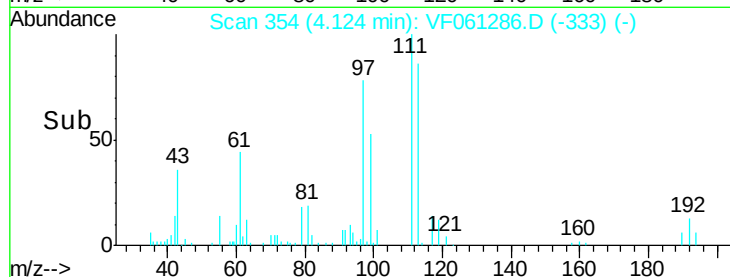
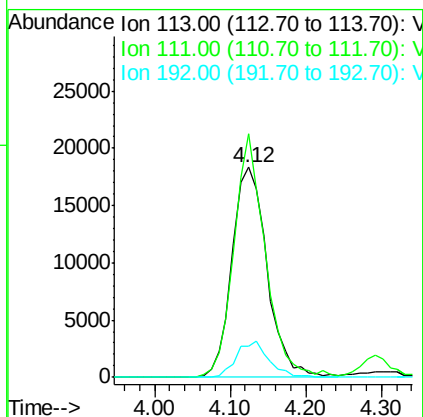
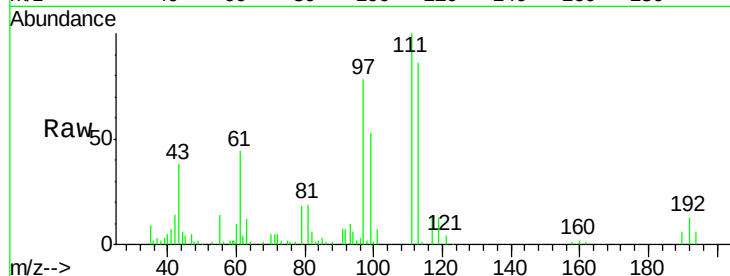
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	59057
Ion	Ratio	Lower	Upper
113	100		
111	115.9	78.0	117.0
192	14.9	10.6	16.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.222 ug/l

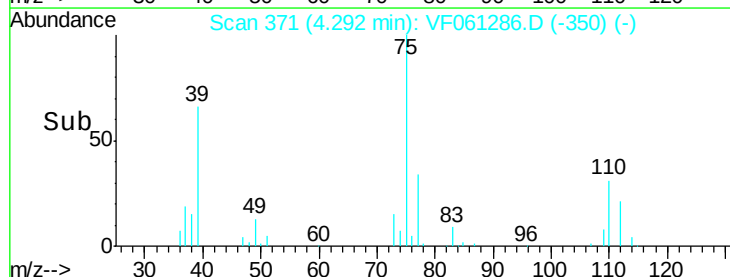
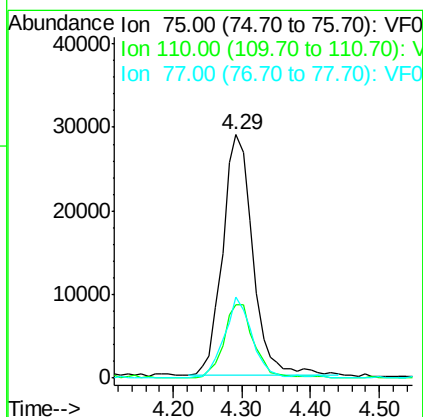
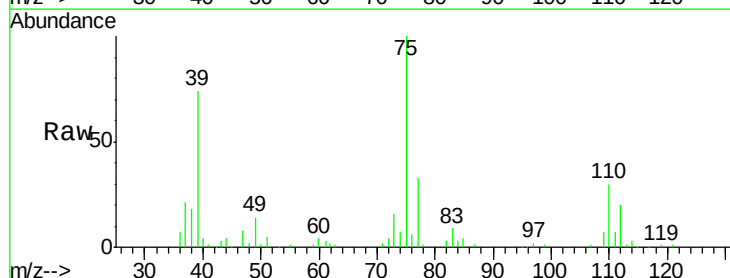
RT: 4.29 min Scan# 371

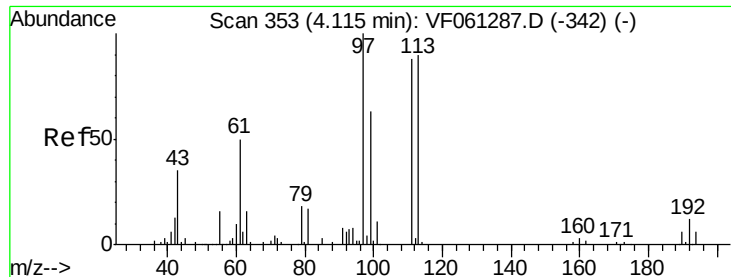
Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion:	75	Resp:	88134
Ion	Ratio	Lower	Upper
75	100		
110	30.2	16.6	49.8
77	33.1	25.1	37.7





#37

Ethyl Acetate

Concen: 18.035 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

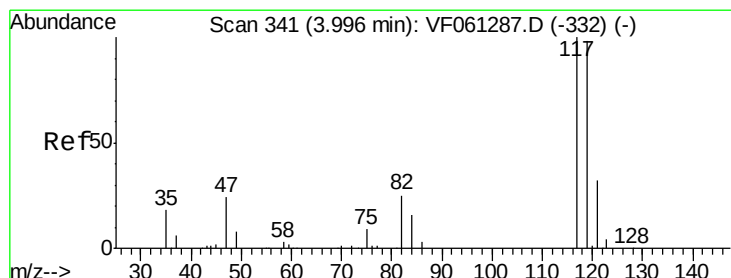
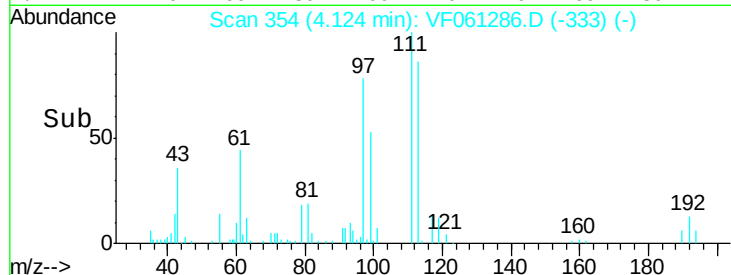
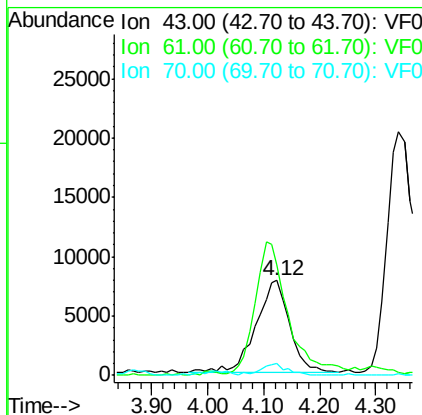
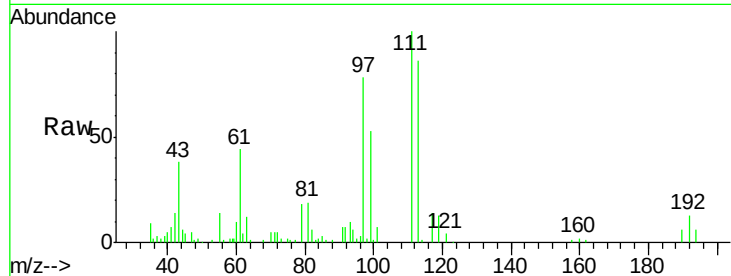
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	33016
Ion	Ratio	Lower	Upper
43	100		
61	116.4	113.3	169.9
70	12.8	9.4	14.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.788 ug/l

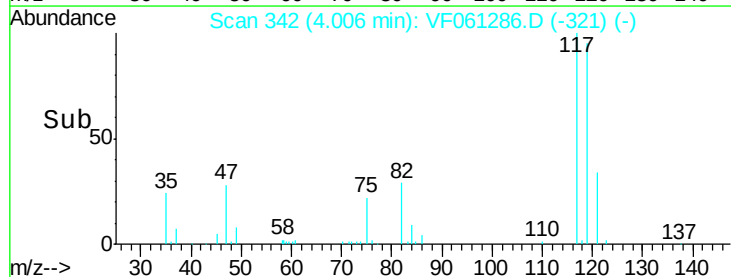
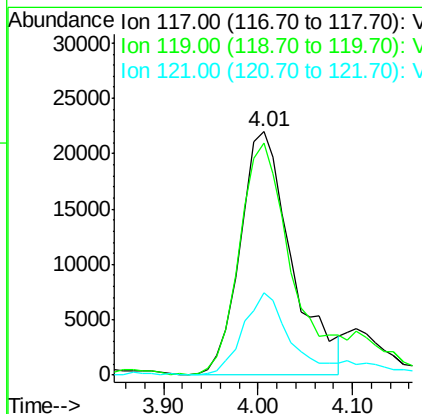
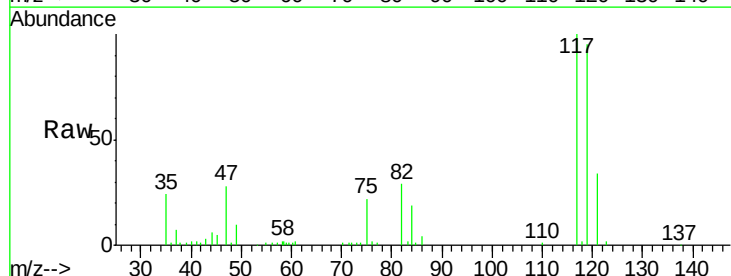
RT: 4.01 min Scan# 342

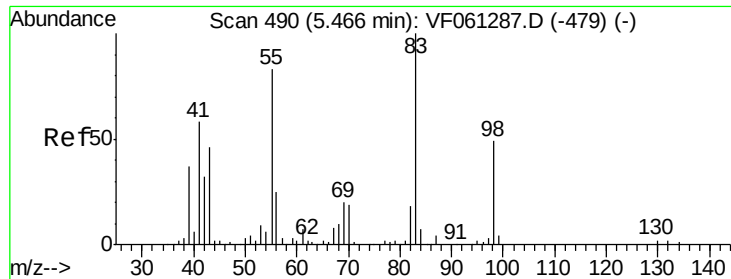
Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion:	117	Resp:	83650
Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.5	117.7
121	34.0	25.3	37.9





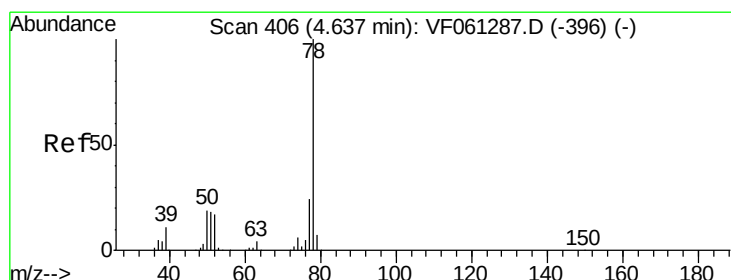
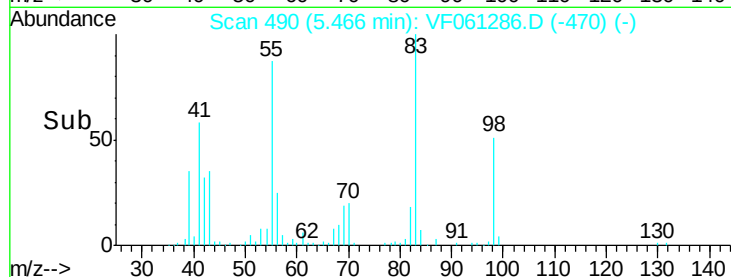
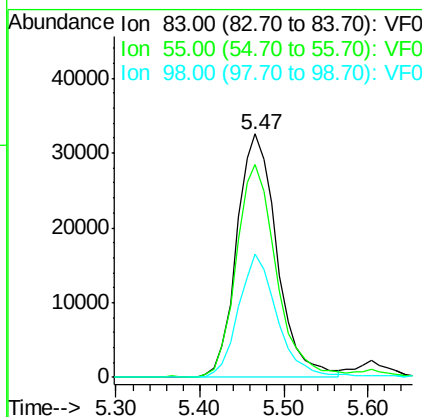
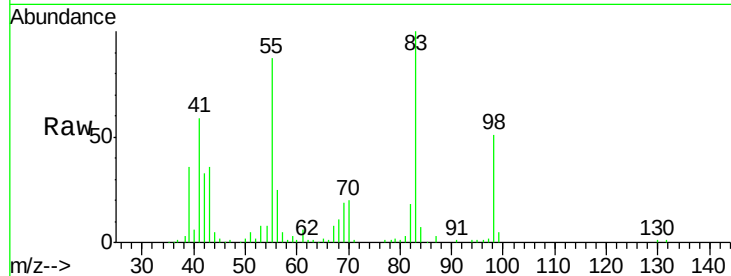
#39
Methylvlcyclohexane
Concen: 22.194 ug/l
RT: 5.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	108775
Ion Ratio	Lower	Upper	
83	100		
55	87.4	66.4	99.6
98	50.7	39.1	58.7

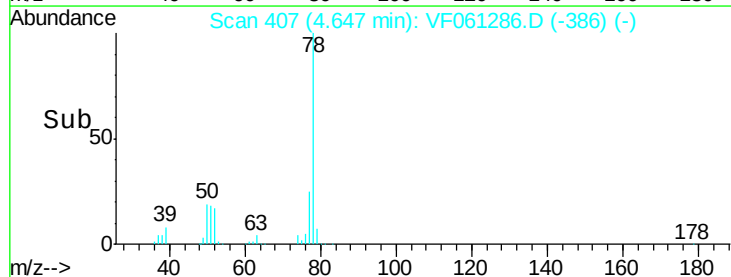
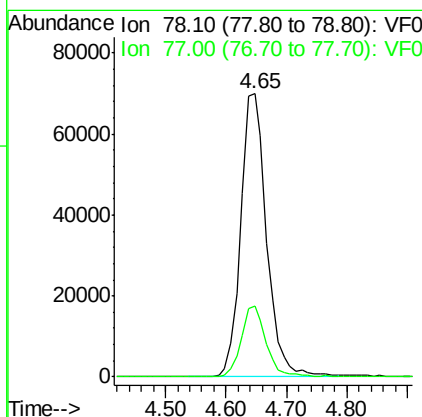
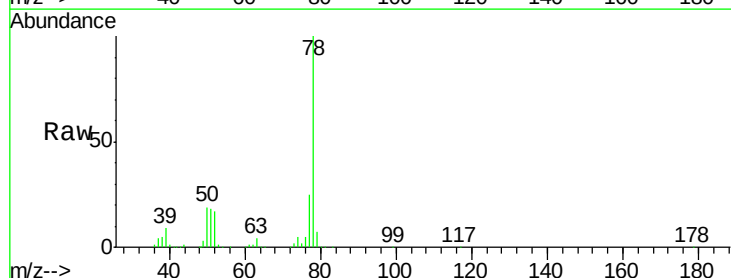
Manual Integrations
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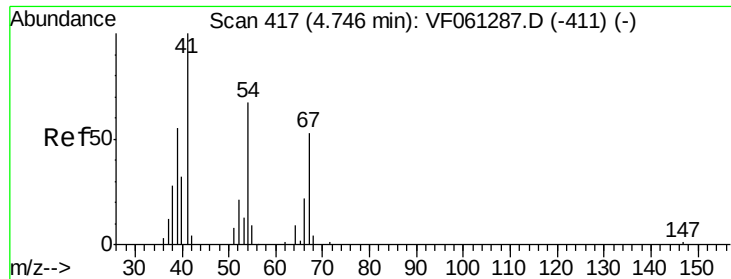
MMDadoda
1/9/2019 11:44:50 AM



#40
Benzene
Concen: 19.964 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	78	Resp	207745
Ion Ratio	Lower	Upper	
78	100		
77	25.1	19.1	28.7





#41

Methacrylonitrile

Concen: 15.764 ug/l

RT: 4.75 min Scan# 417

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 16410

Ion Ratio Lower Upper

41 100

39 63.6 52.7 79.1

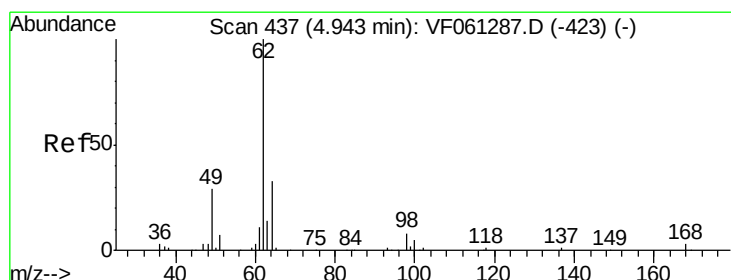
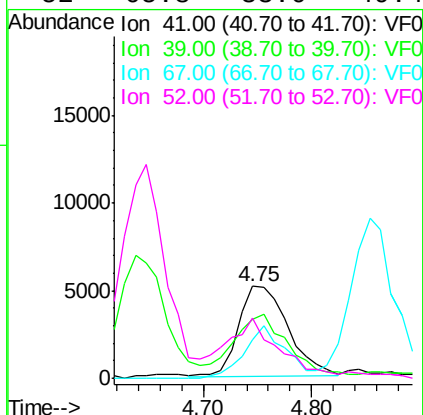
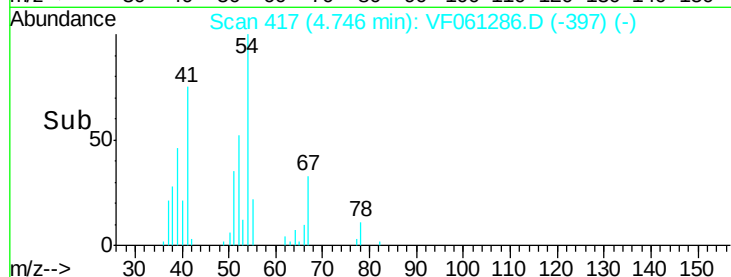
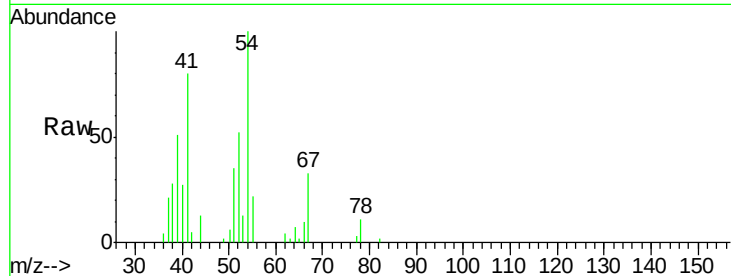
67 41.4 41.4 62.2#

52 65.8 33.0 49.4#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.562 ug/l

RT: 4.95 min Scan# 438

Delta R.T. 0.01 min

Lab File: VF061286.D

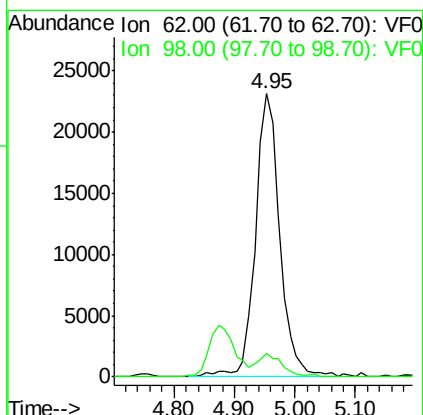
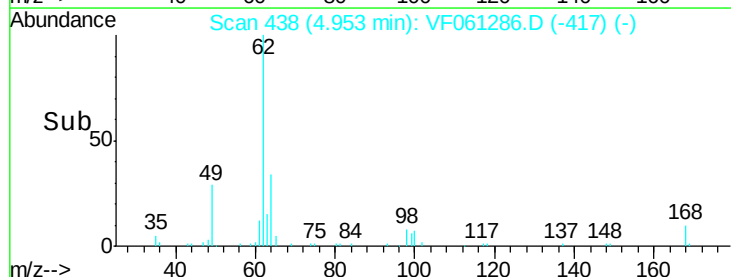
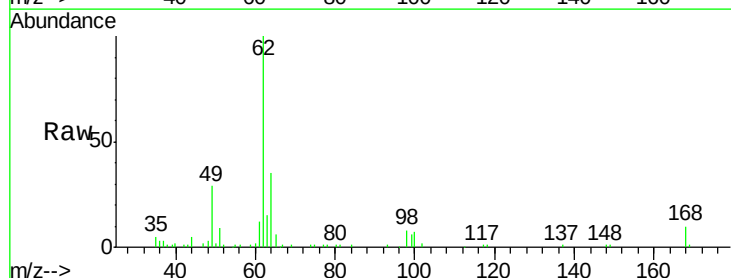
Acq: 8 Jan 2019 15:02

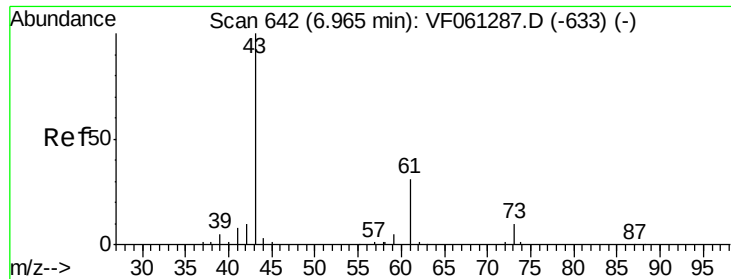
Tgt Ion: 62 Resp: 64624

Ion Ratio Lower Upper

62 100

98 8.4 0.0 16.8





#43

Isopropyl Acetate

Concen: 16.732 ug/l

RT: 6.96 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

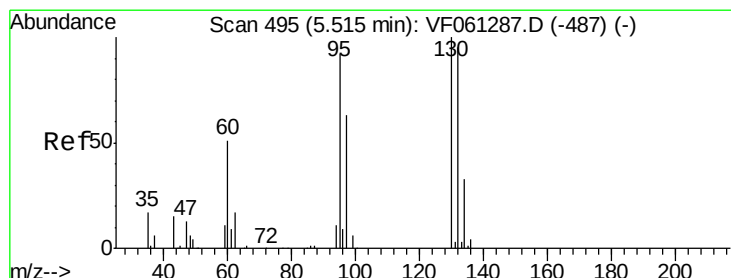
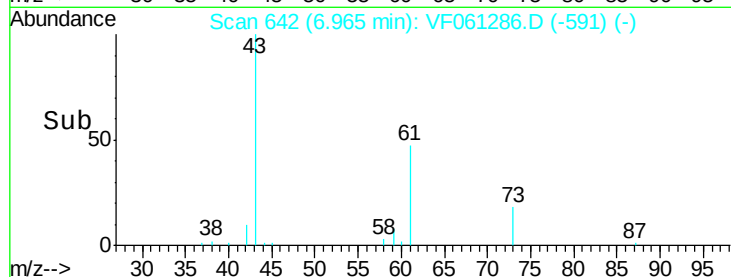
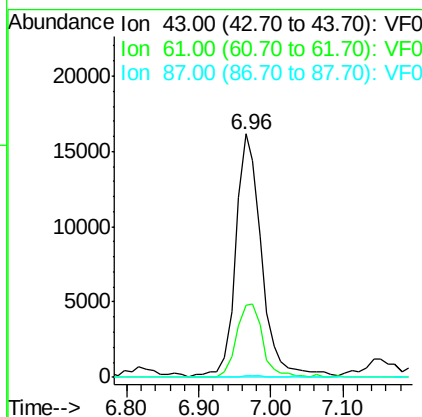
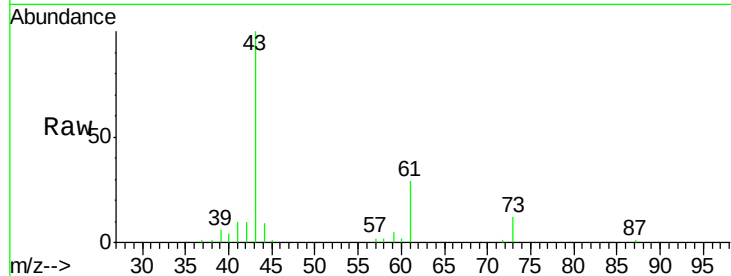
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	40872
Ion	Ratio	Lower	Upper
43	100		
61	29.4	24.3	36.5
87	0.9	0.2	0.4

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#44

Trichloroethene

Concen: 19.189 ug/l

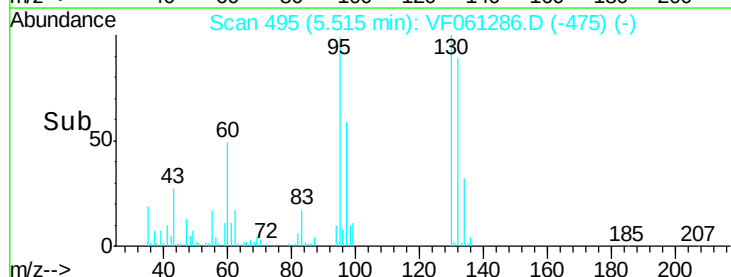
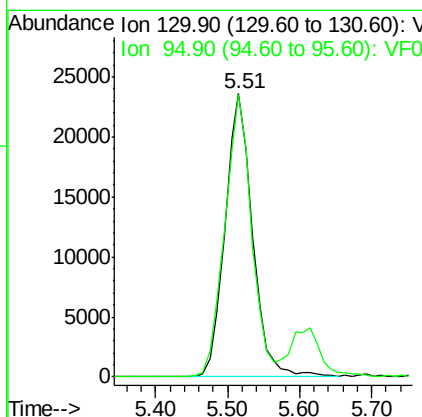
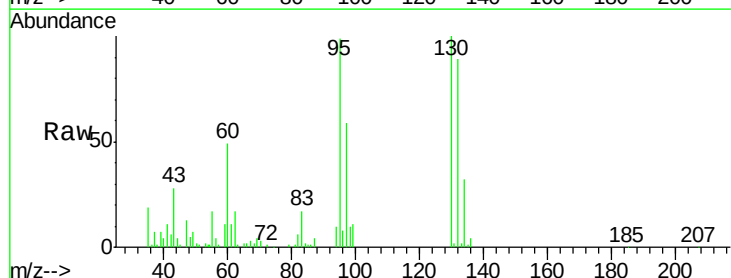
RT: 5.51 min Scan# 495

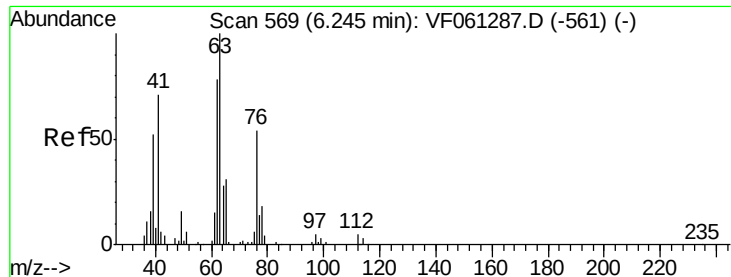
Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion:	130	Resp:	62154
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	184.4





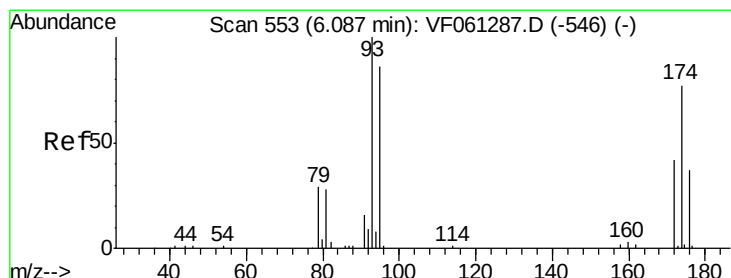
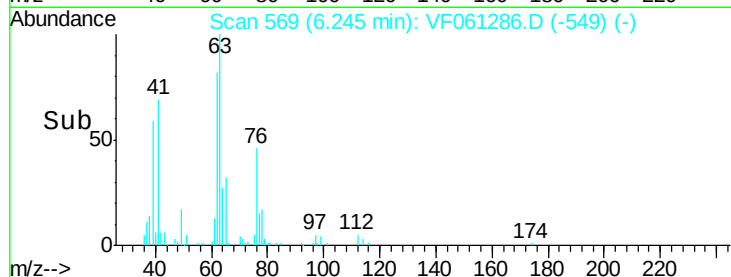
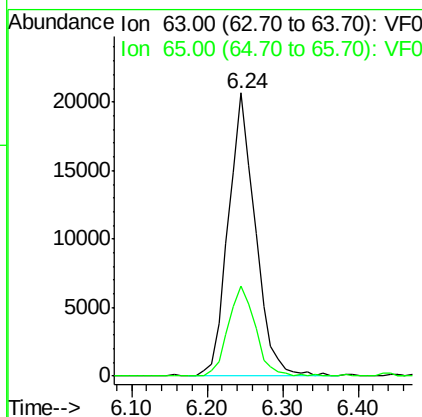
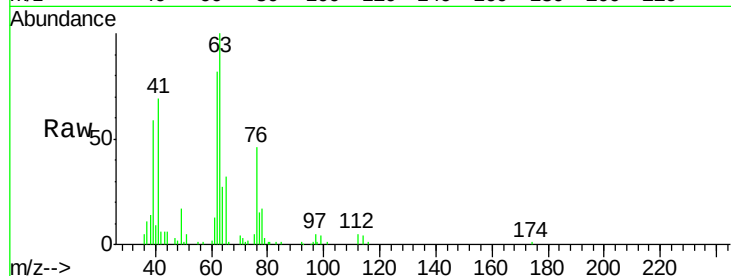
#45
 1,2-Dichloropropane
 Concen: 19.172 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 50933
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.1 37.7

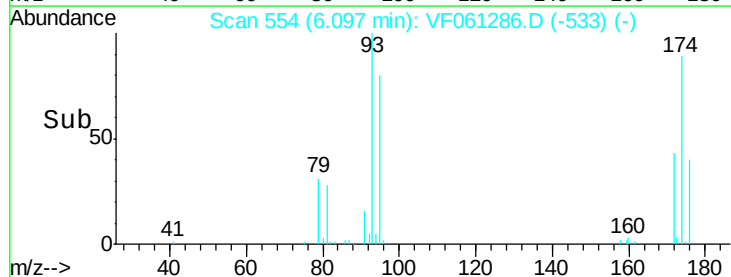
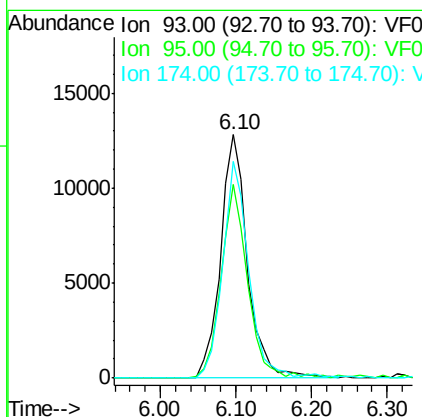
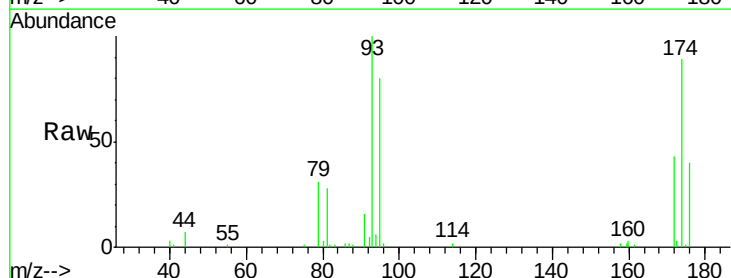
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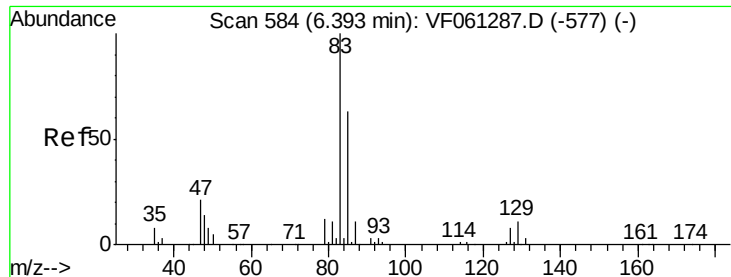
MMDadoda
 1/9/2019 11:44:50 AM



#46
 Dibromomethane
 Concen: 18.069 ug/l
 RT: 6.10 min Scan# 554
 Delta R.T. 0.01 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Tgt Ion: 93 Resp: 31586
 Ion Ratio Lower Upper
 93 100
 95 79.8 68.8 103.2
 174 89.3 62.9 94.3





#47

Bromodichloromethane

Concen: 17.121 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

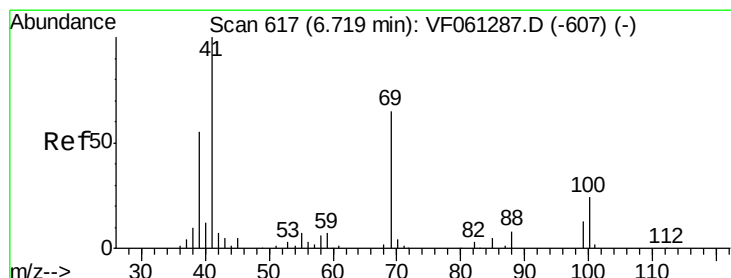
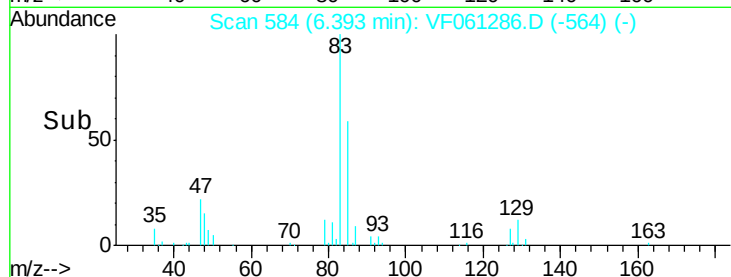
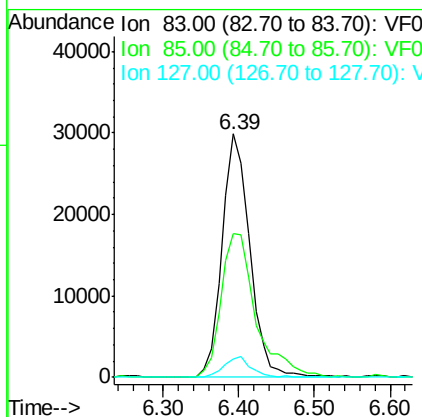
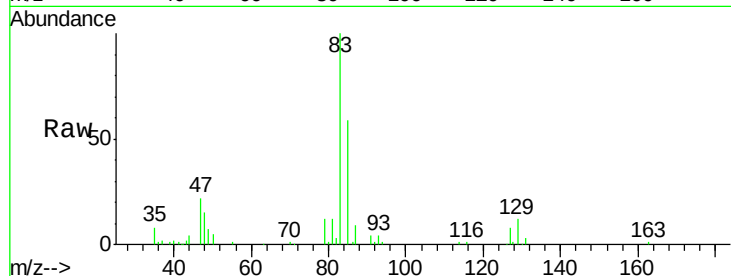
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	76184
Ion	Ratio	Lower	Upper
83	100		
85	59.0	50.4	75.6
127	7.5	6.4	9.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 17.803 ug/l

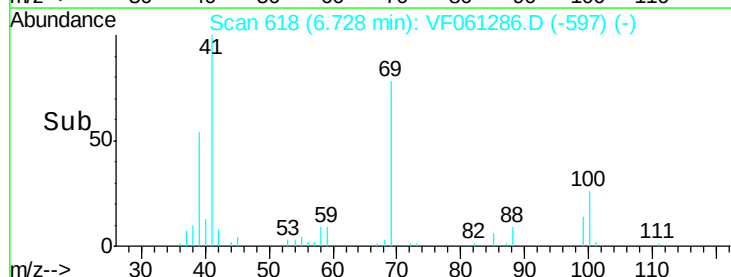
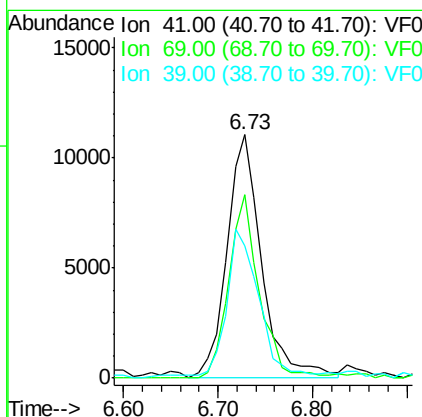
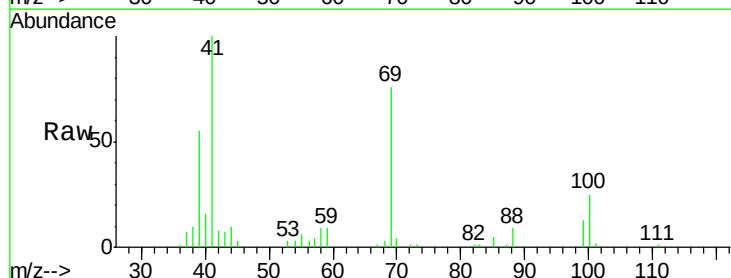
RT: 6.73 min Scan# 618

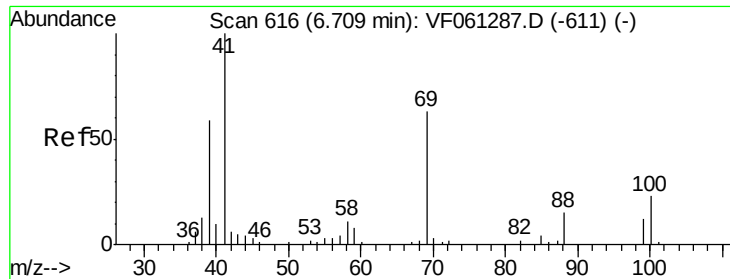
Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion:	41	Resp:	28160
Ion	Ratio	Lower	Upper
41	100		
69	75.6	51.5	77.3
39	54.5	44.1	66.1





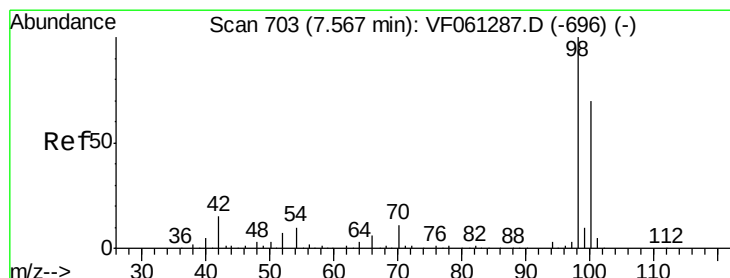
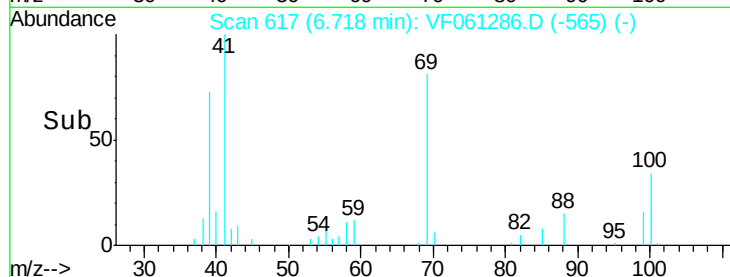
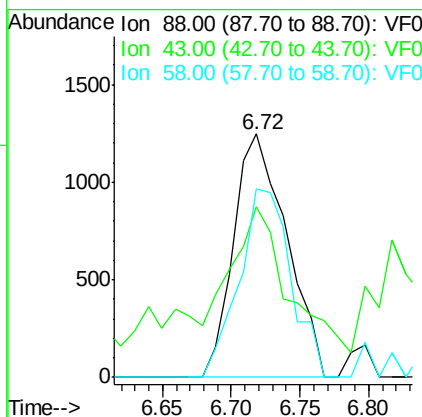
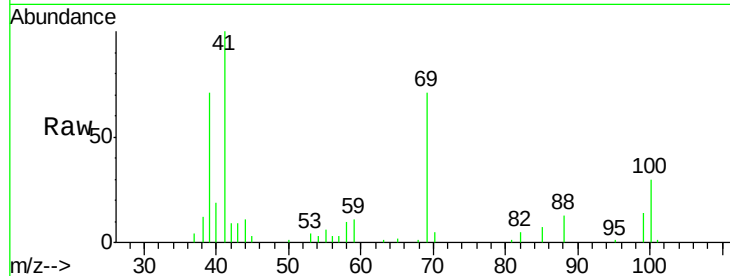
#49
1,4-Dioxane
Concen: 305.120 ug/l
RT: 6.72 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	70.0	38.5	57.7#
58	77.2	57.0	85.4

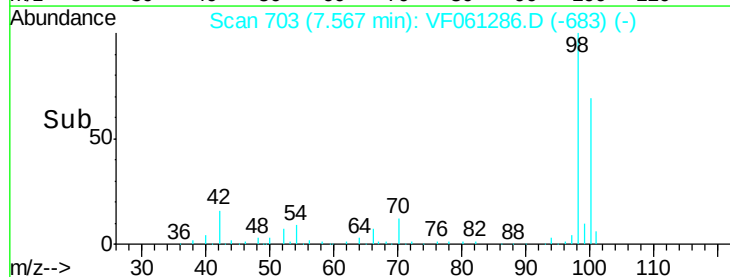
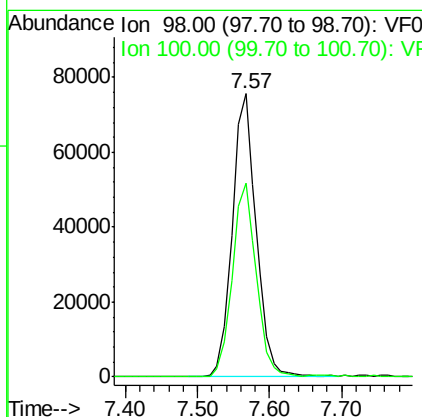
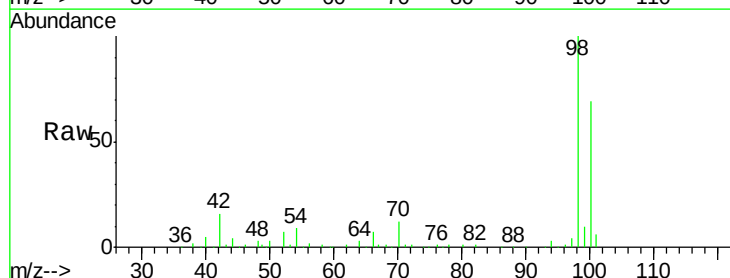
Manual Integrations
APPROVED

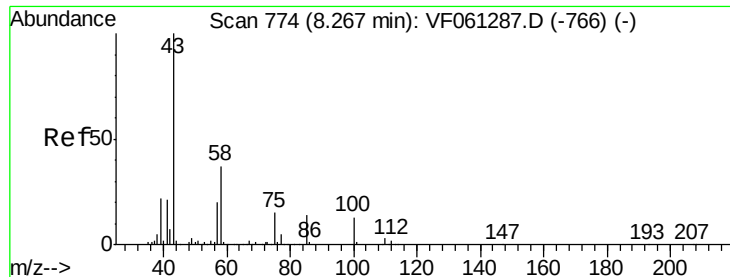
MMDadoda
1/9/2019 11:44:50 AM



#50
Toluene-d8
Concen: 19.757 ug/l
RT: 7.57 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.7	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 87.138 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 147832

Ion Ratio Lower Upper

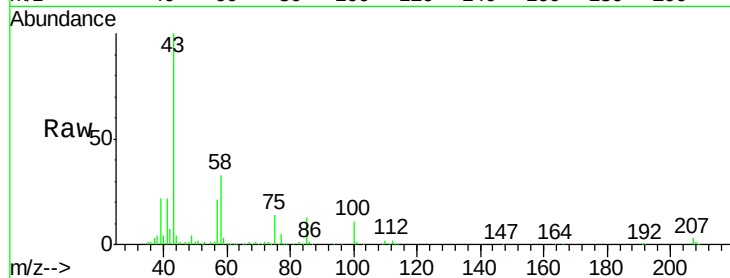
43 100

58 33.0 29.6 44.4

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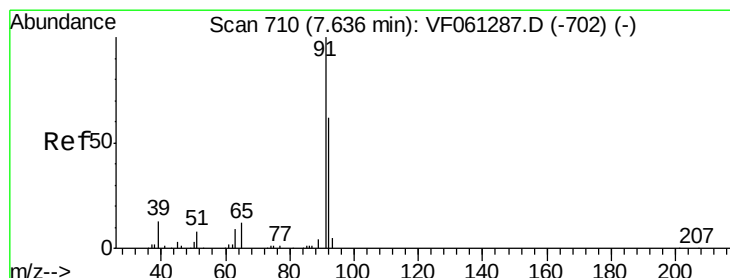
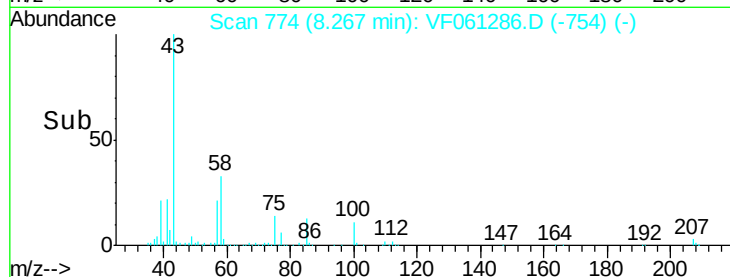
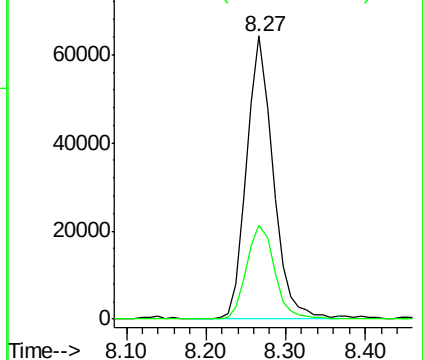
MMDadoda

1/9/2019 11:44:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 19.251 ug/l

RT: 7.64 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061286.D

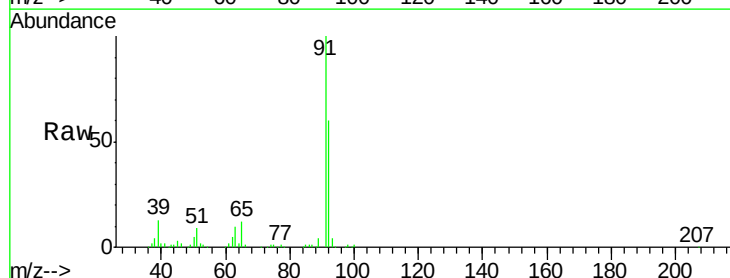
Acq: 8 Jan 2019 15:02

Tgt Ion: 92 Resp: 130799

Ion Ratio Lower Upper

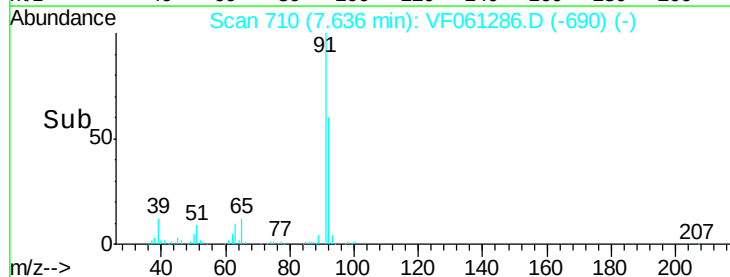
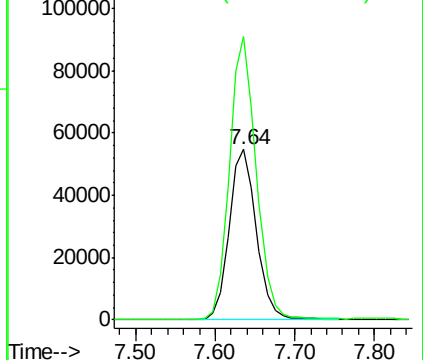
92 100

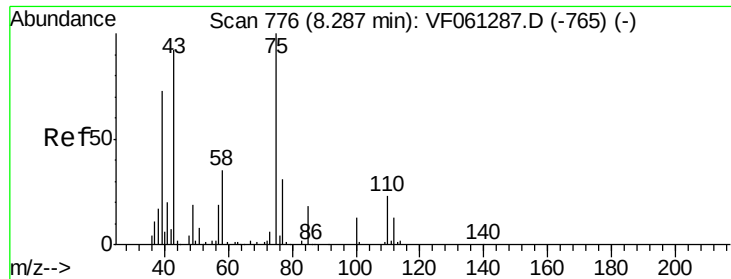
91 166.0 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 16.281 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tot Ion: 75 Resp: 59060

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

Instrument :

MSVOA_F

ClientSampleId :

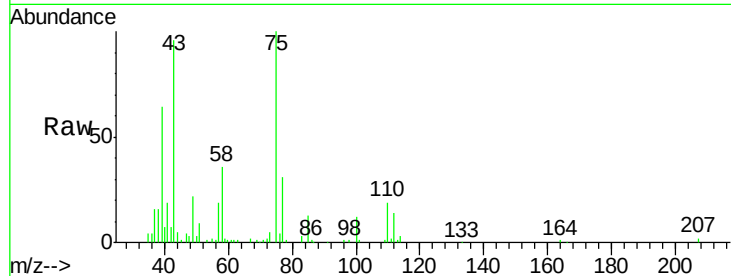
VSTDIC020

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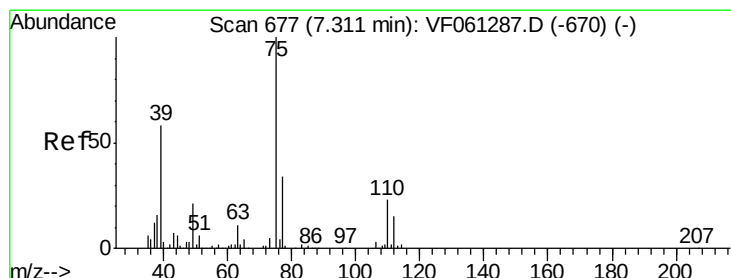
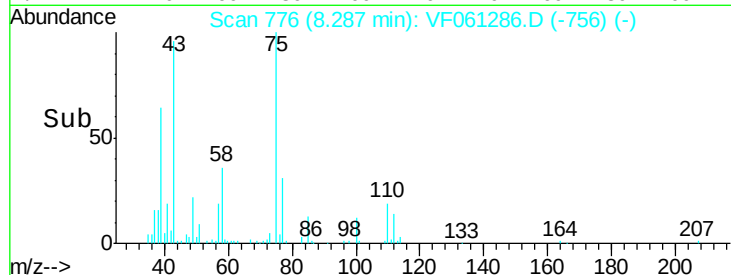
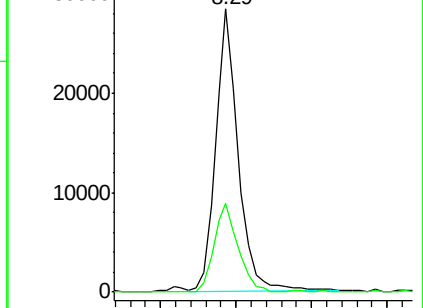
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 18.900 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

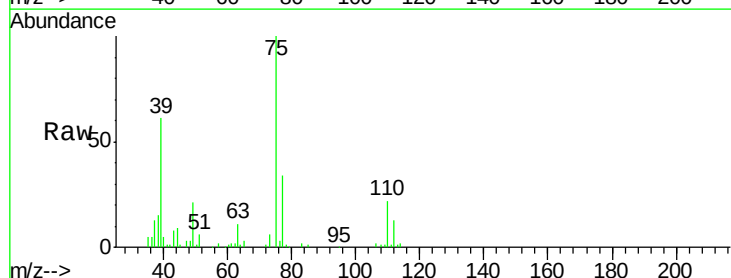
Tgt Ion: 75 Resp: 87137

Ion Ratio Lower Upper

75 100

77 33.5 27.3 40.9

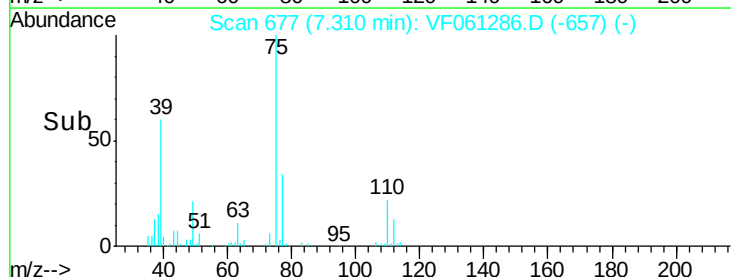
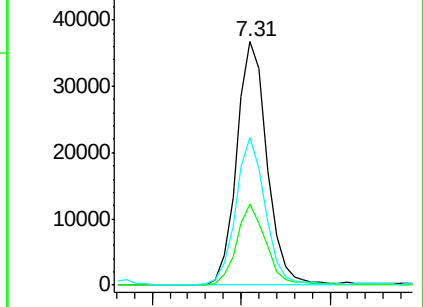
39 60.8 46.3 69.5

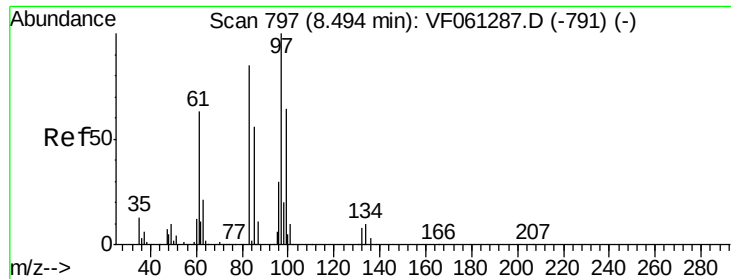


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 19.112 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

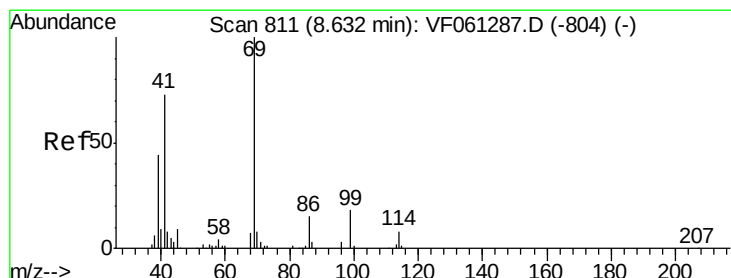
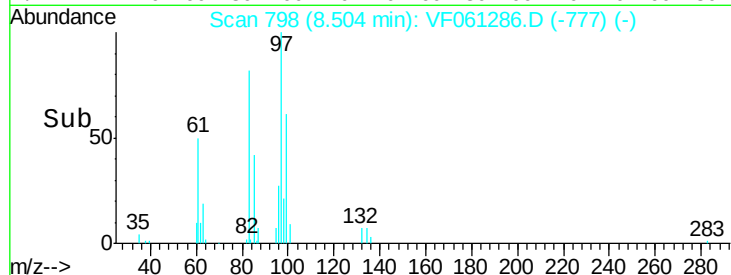
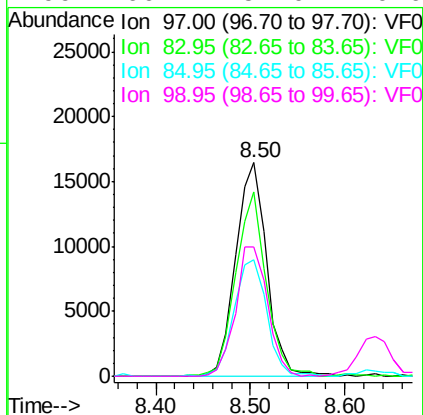
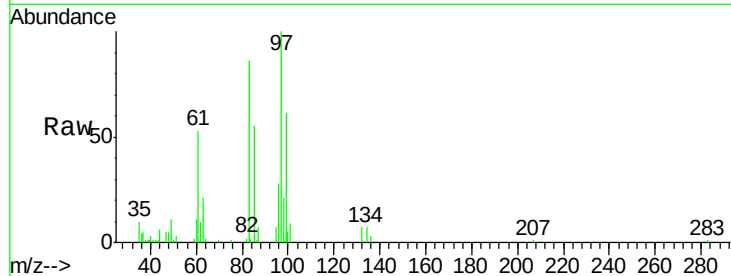
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	37343
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.8	101.6
85	54.6	45.1	67.7
99	60.7	51.0	76.6

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.270 ug/l

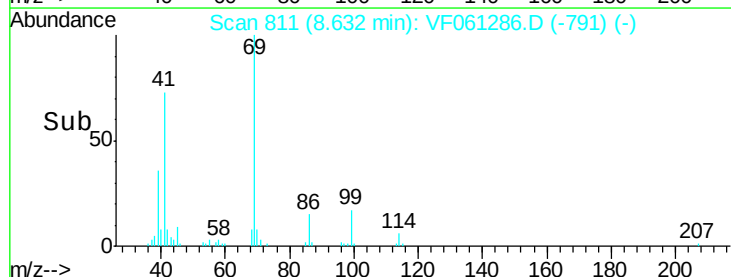
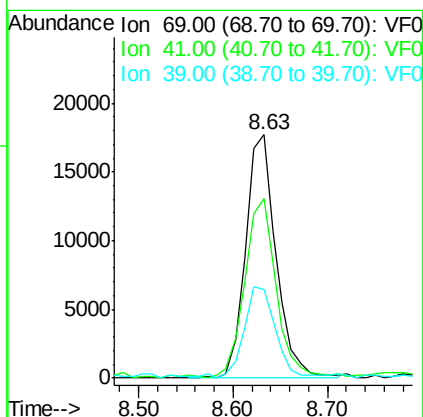
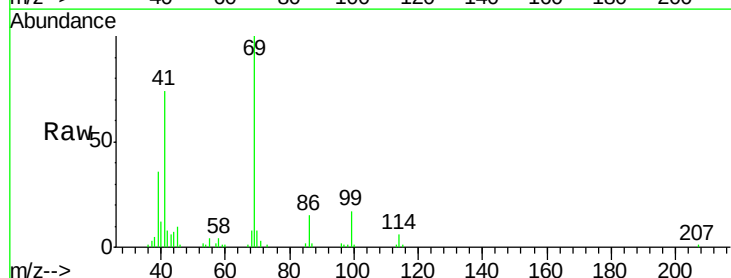
RT: 8.63 min Scan# 811

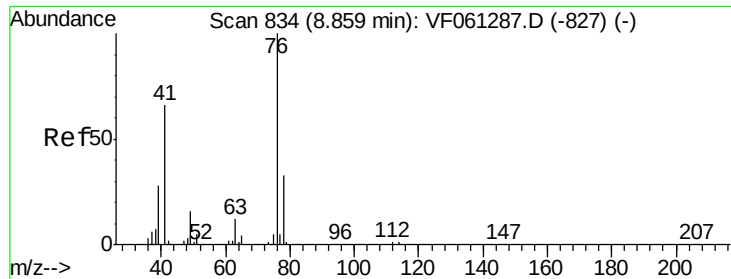
Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion:	69	Resp:	39454
Ion	Ratio	Lower	Upper
69	100		
41	73.9	59.0	88.4
39	36.4	35.3	52.9





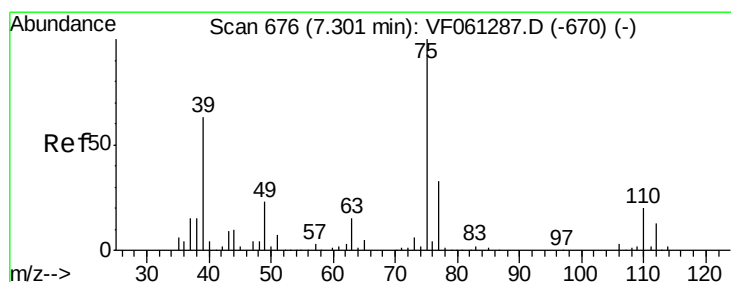
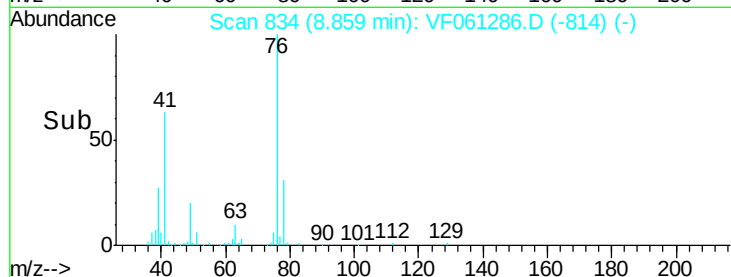
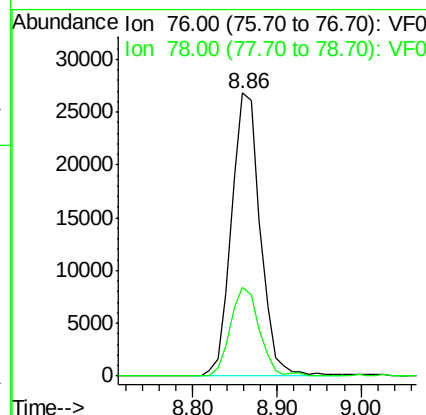
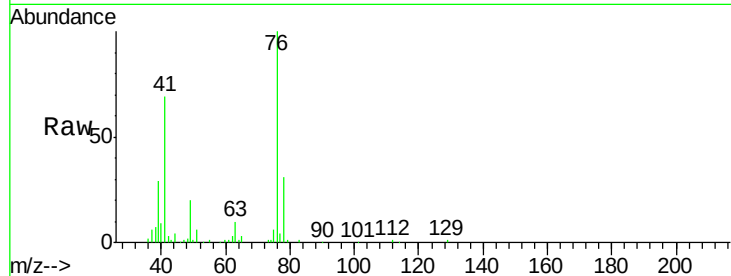
#57
 1,3-Dichloropropane
 Concen: 17.372 ug/l
 RT: 8.86 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 63806
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.8 40.2

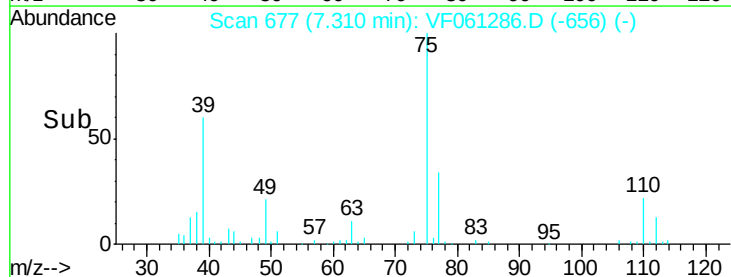
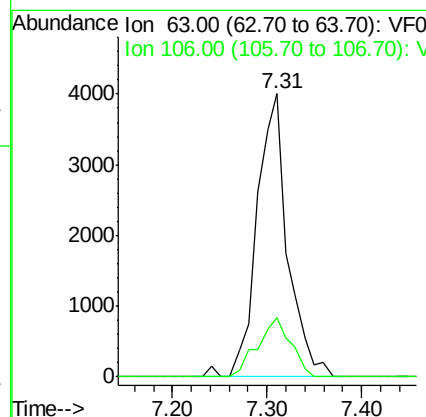
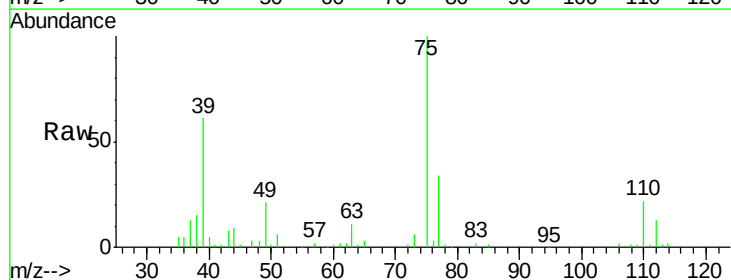
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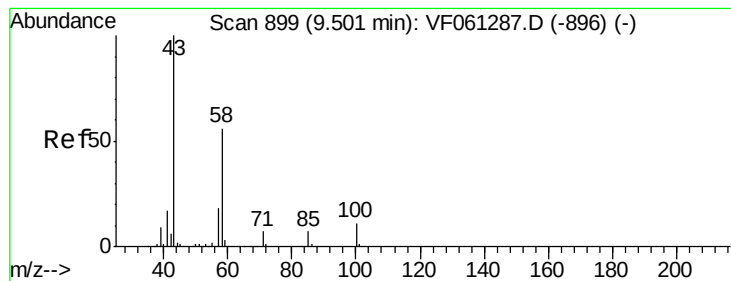
MMDadoda
 1/9/2019 11:44:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 34.434 ug/l
 RT: 7.31 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Tgt Ion: 63 Resp: 9030
 Ion Ratio Lower Upper
 63 100
 106 21.1 16.5 24.7





#59

2-Hexanone

Concen: 90.801 ug/l

RT: 9.50 min Scan# 899

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 111524

Ion Ratio Lower Upper

43 100

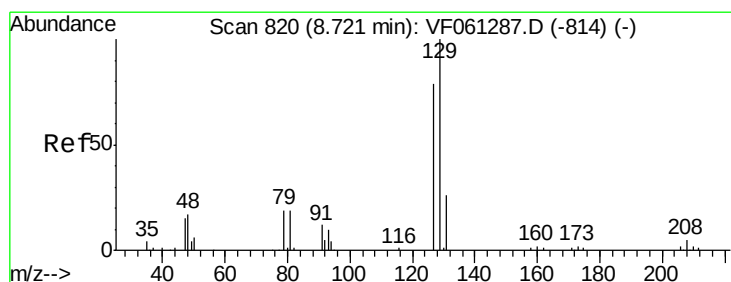
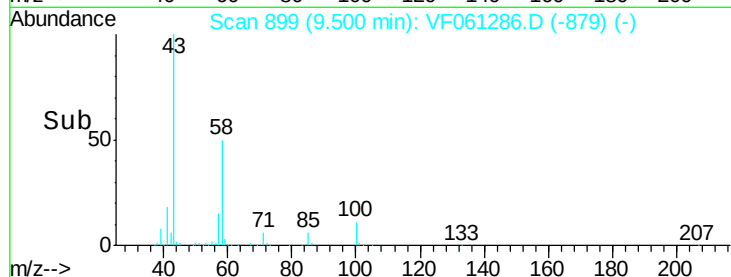
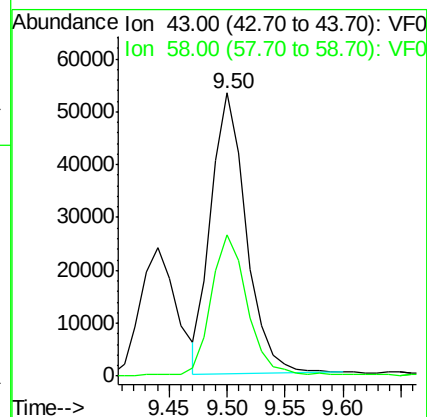
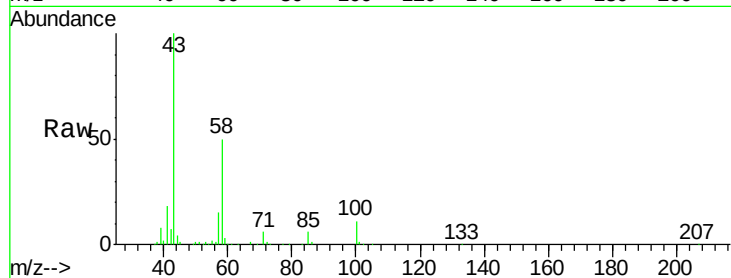
58 49.9 25.6 76.8

Manual Integrations

APPROVED

MMDadoda

1/9/2019 11:44:50 AM



#60

Dibromochloromethane

Concen: 16.186 ug/l

RT: 8.72 min Scan# 820

Delta R.T. -0.00 min

Lab File: VF061286.D

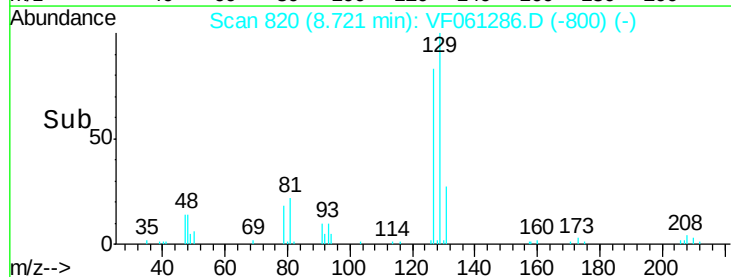
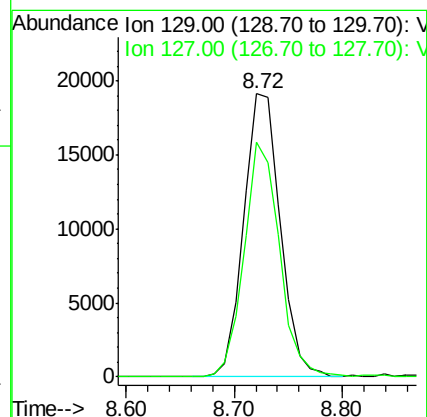
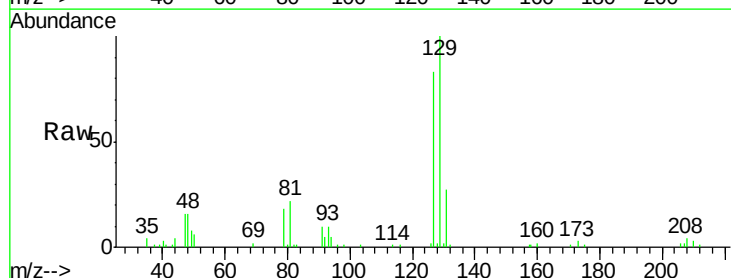
Acq: 8 Jan 2019 15:02

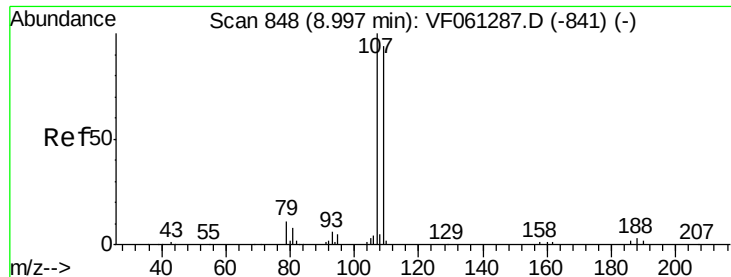
Tgt Ion: 129 Resp: 44924

Ion Ratio Lower Upper

129 100

127 83.0 39.4 118.1





#61

1,2-Dibromoethane

Concen: 17.731 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 37392

Ion Ratio Lower Upper

107 100

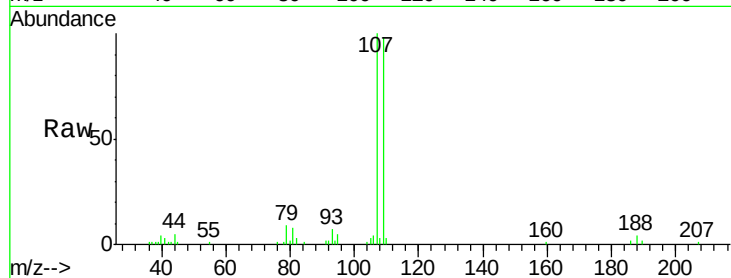
109 95.5 75.1 112.7

Manual Integrations

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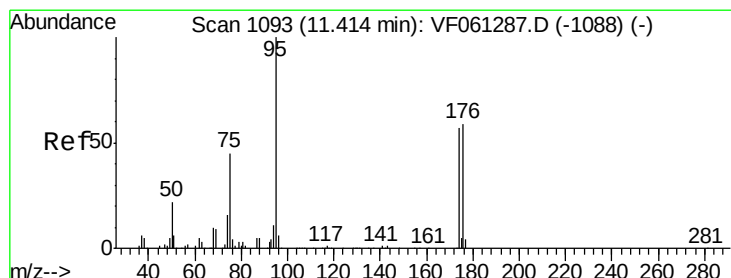
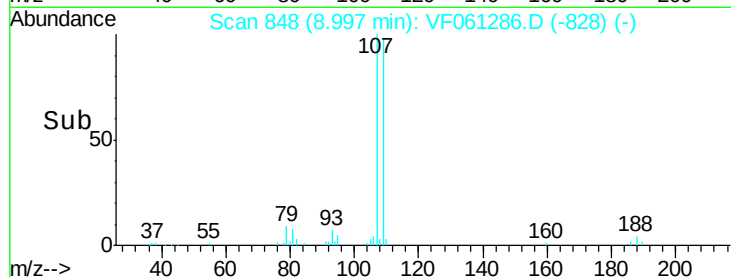
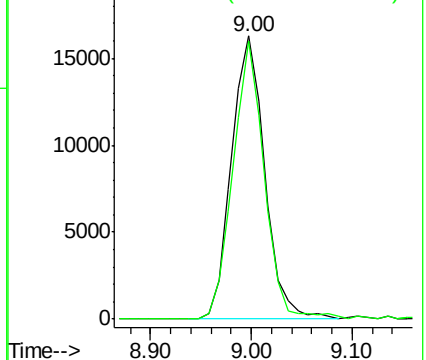
MMDadoda

1/9/2019 11:44:50 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 19.197 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

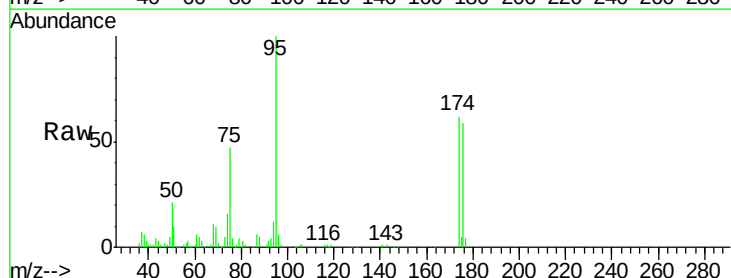
Tgt Ion: 95 Resp: 75601

Ion Ratio Lower Upper

95 100

174 62.1 0.0 114.2

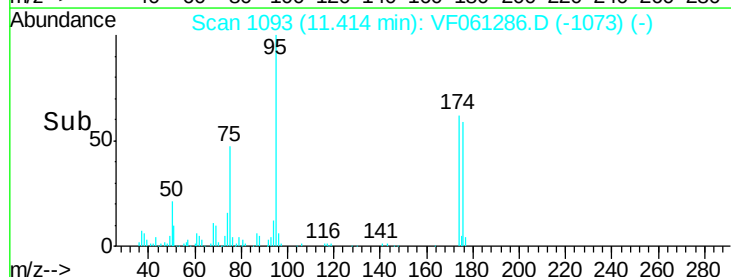
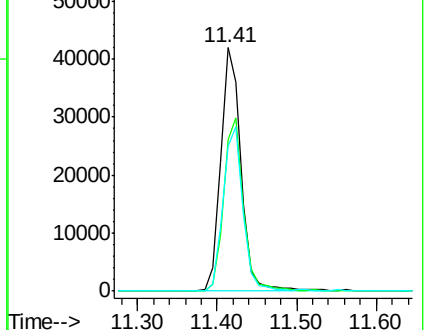
176 59.4 0.0 117.8

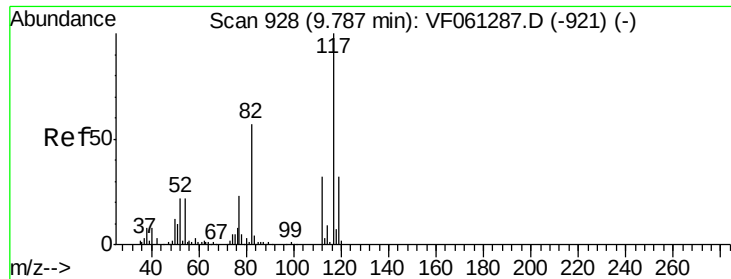


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





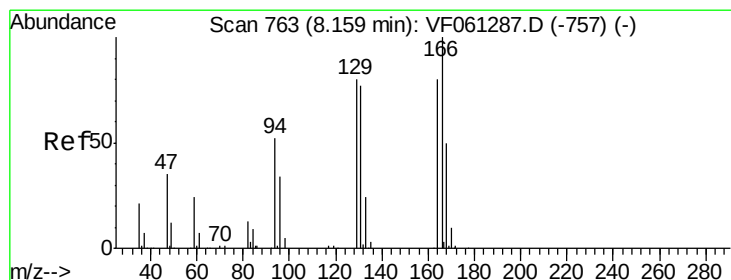
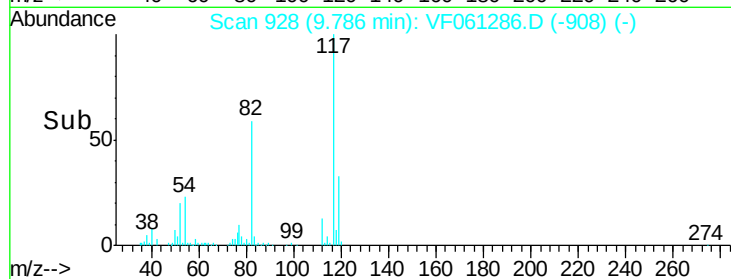
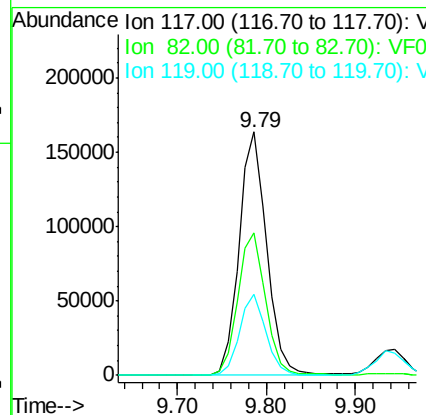
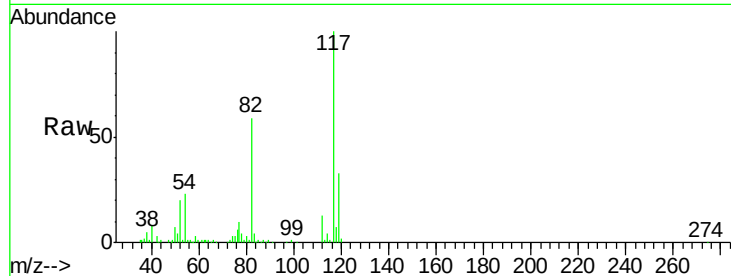
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.3	67.9
119	33.0	25.4	38.0

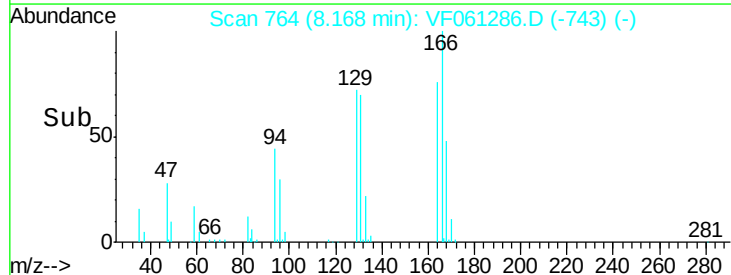
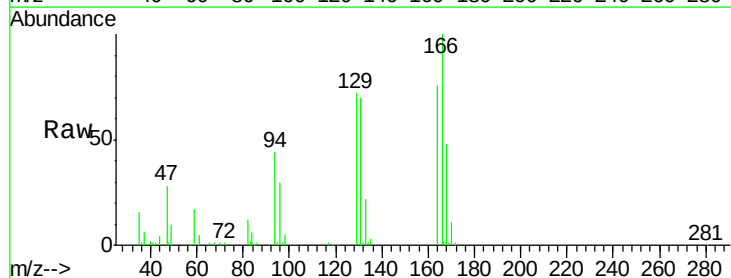
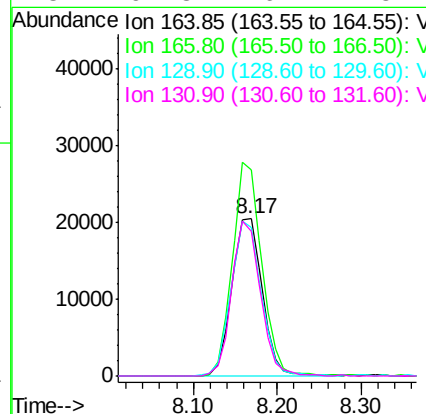
Manual Integrations
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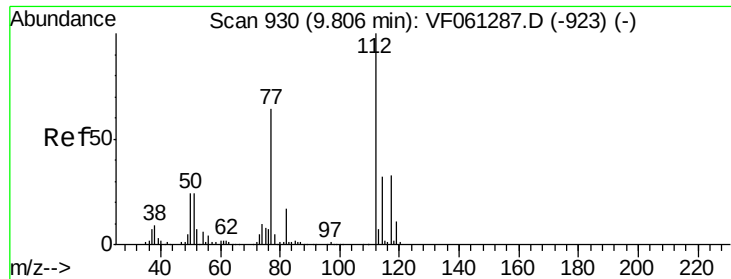
MMDadoda
1/9/2019 11:44:50 AM



#64
Tetrachloroethene
Concen: 19.013 ug/l
RT: 8.17 min Scan# 764
Delta R.T. 0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	100.1	150.1
129	94.2	80.1	120.1
131	91.8	76.7	115.1





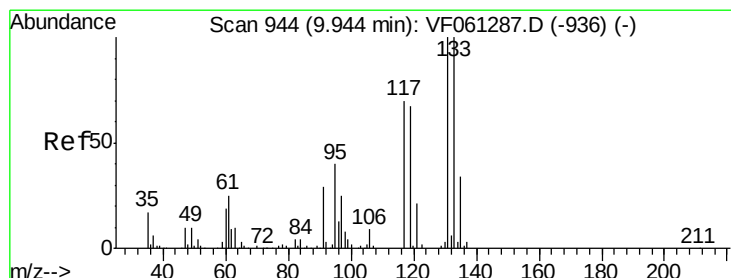
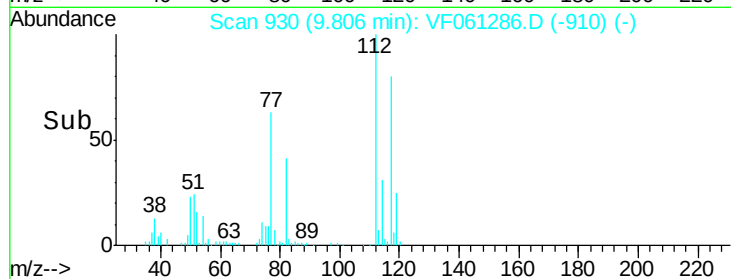
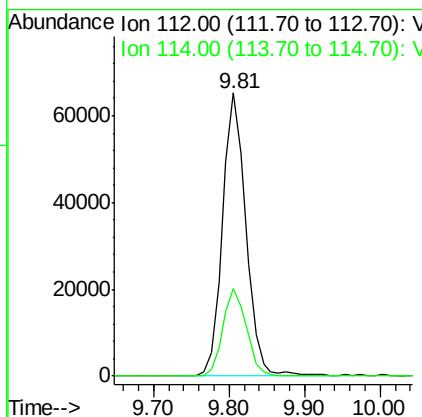
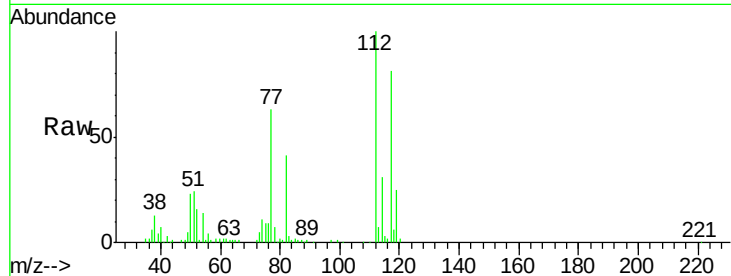
#65
Chlorobenzene
Concen: 19.579 ug/l
RT: 9.81 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.8	38.8

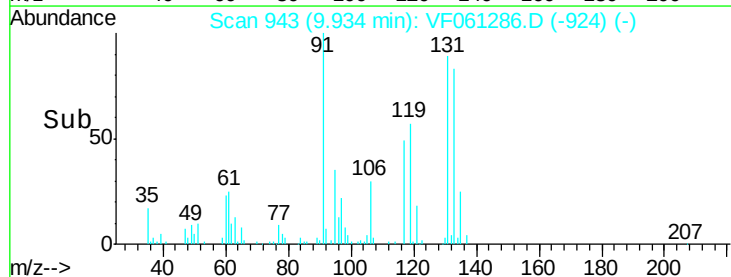
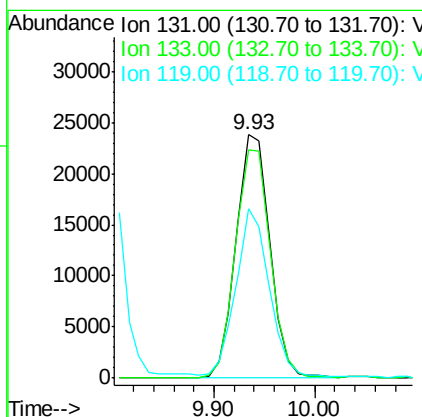
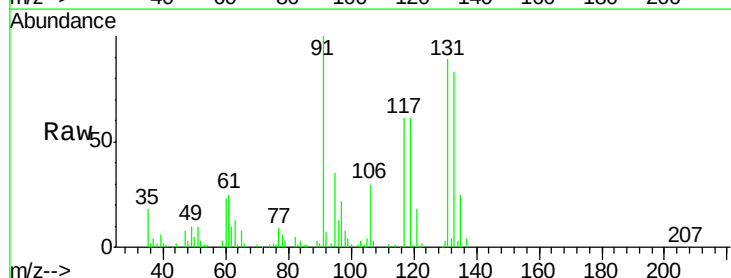
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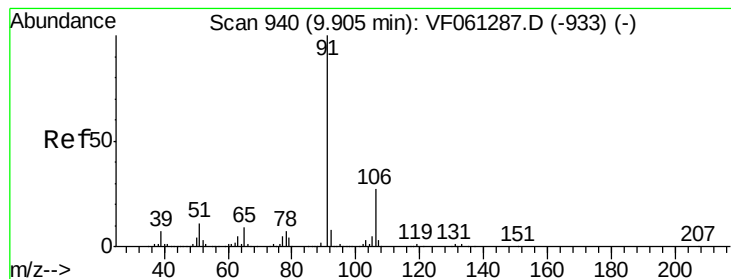
MMDadoda
1/9/2019 11:44:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.934 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	49.9	149.6
119	69.4	33.9	101.6





#67

Ethyl Benzene

Concen: 20.612 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 273138

Ion Ratio Lower Upper

91 100

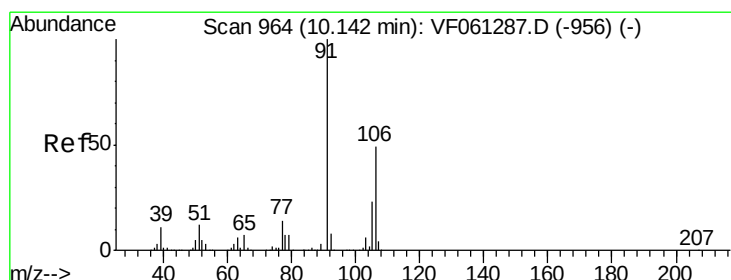
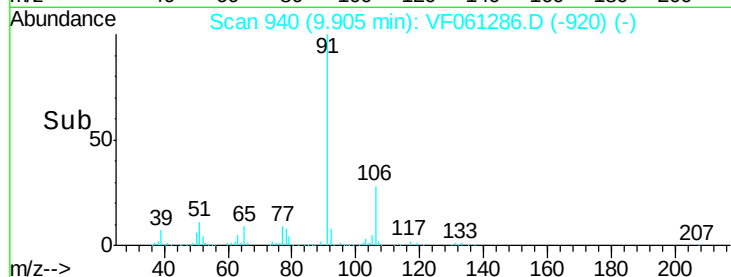
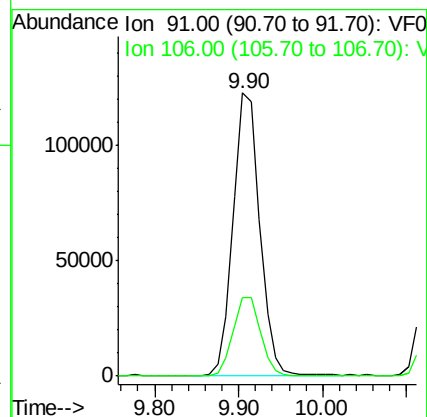
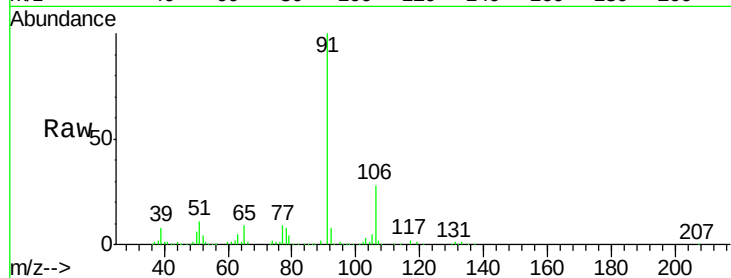
106 27.9 21.4 32.2

Manual Integrations

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1/9/2019 11:44:50 AM



#68

m/p-Xylenes

Concen: 38.998 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF061286.D

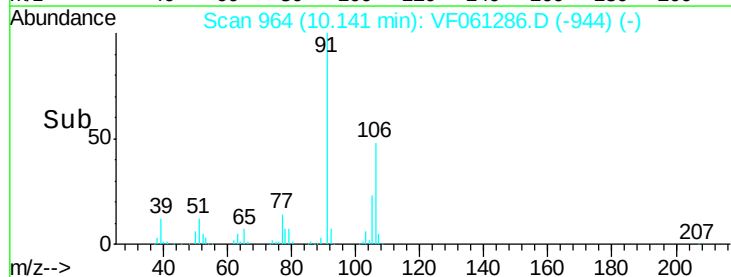
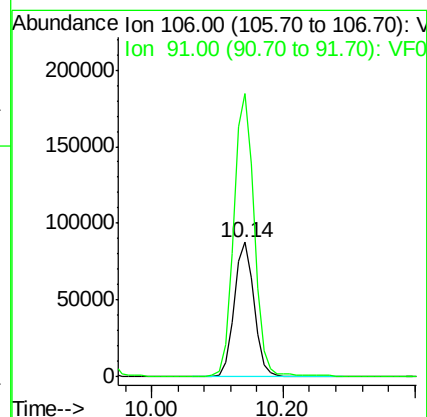
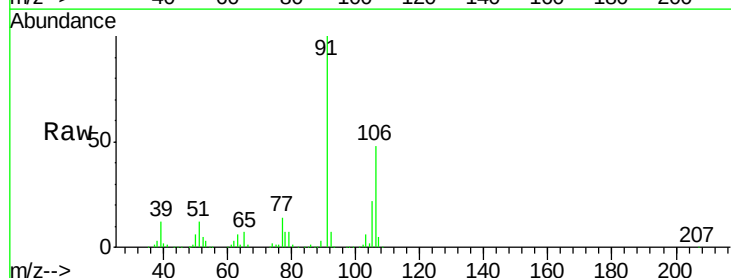
Acq: 8 Jan 2019 15:02

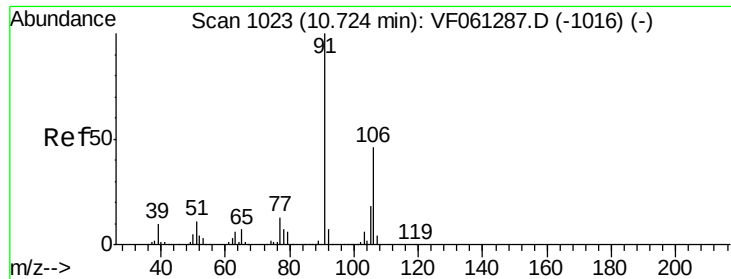
Tgt Ion:106 Resp: 188597

Ion Ratio Lower Upper

106 100

91 210.3 165.0 247.6





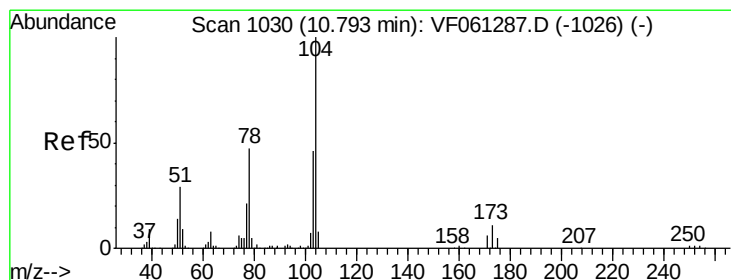
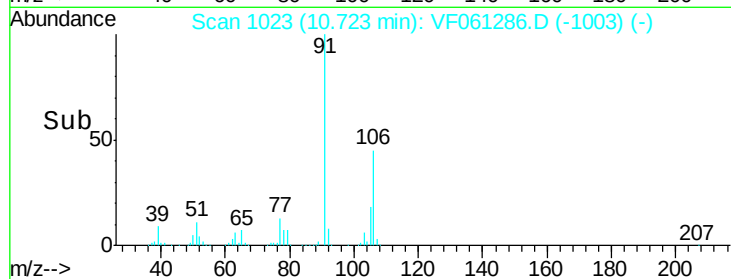
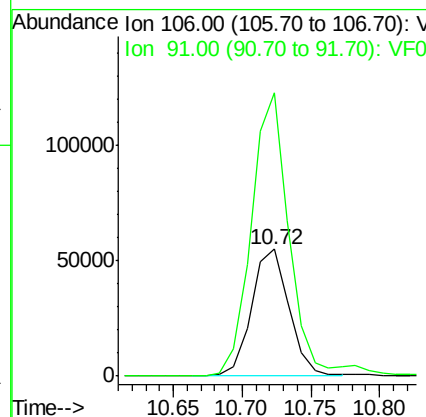
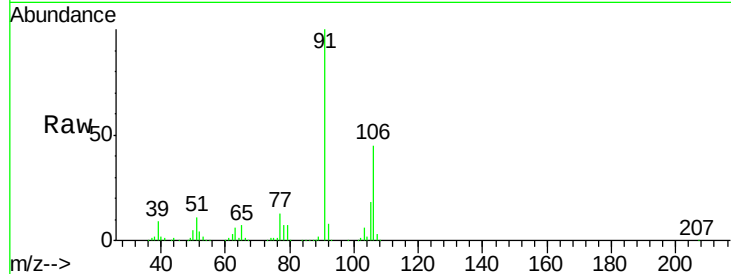
#69
o-Xylene
Concen: 20.056 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	104925		
91	91	223.4	108.1	324.4	

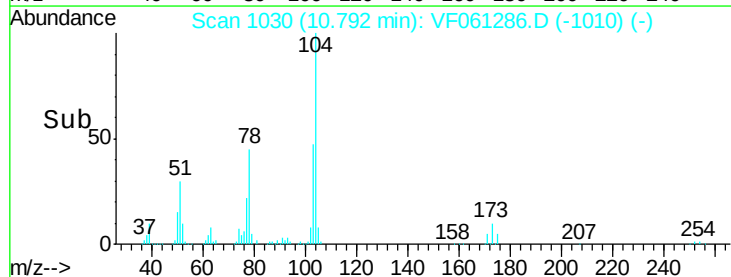
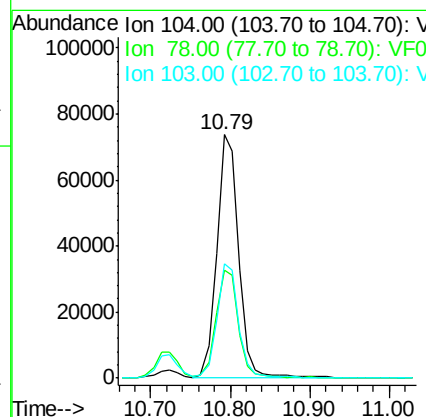
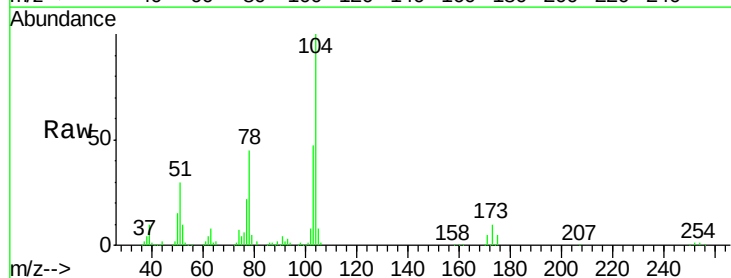
Manual Integrations
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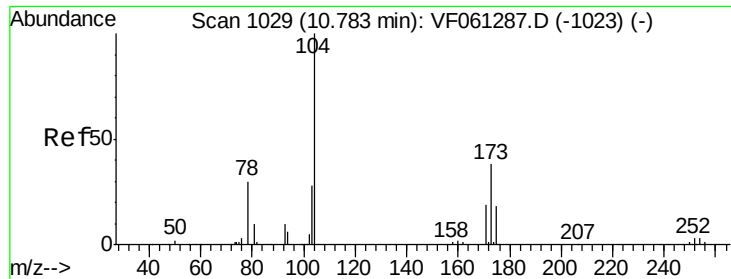
MMDadoda
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#70
Styrene
Concen: 19.841 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	142888		
78	78	44.6	38.0	57.0	
103	103	47.0	36.7	55.1	





#71

Bromoform

Concen: 16.061 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 22136

Ion Ratio Lower Upper

173 100

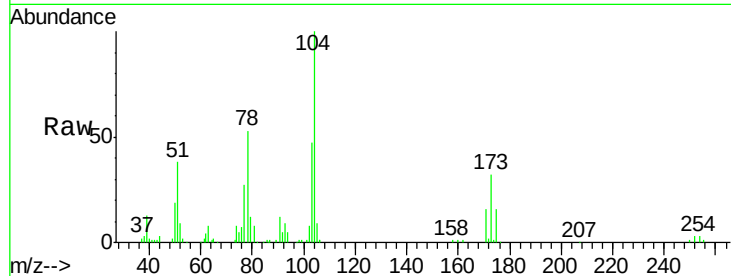
175 50.1 24.1 72.2

254 7.9 0.0 0.0#

Manual Integrations
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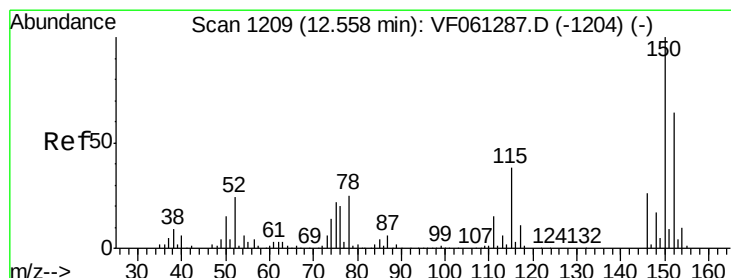
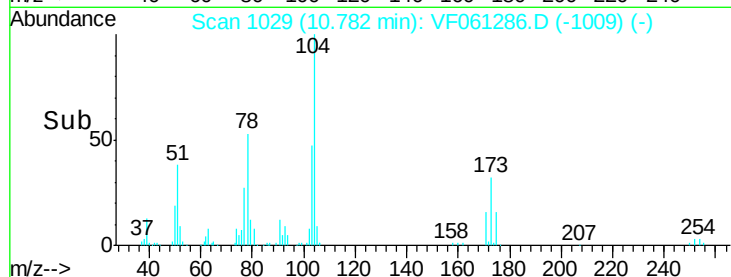
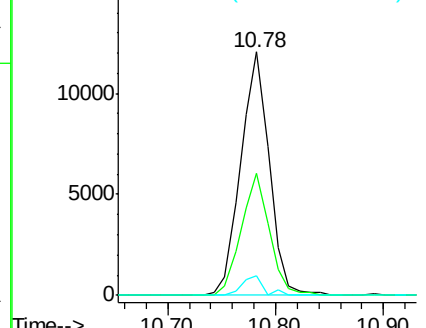
1/9/2019 11:44:50 AM



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

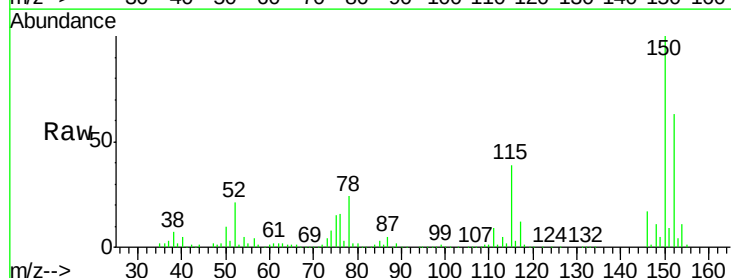
Tgt Ion:152 Resp: 175543

Ion Ratio Lower Upper

152 100

115 61.6 29.6 88.9

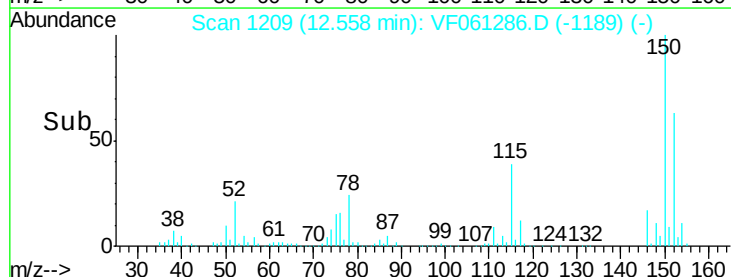
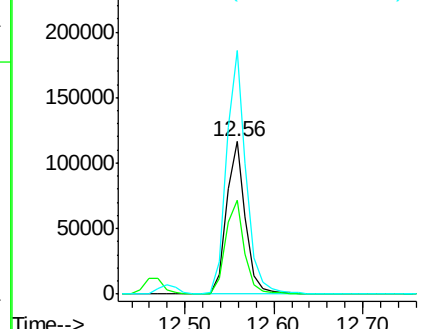
150 159.6 0.0 315.4

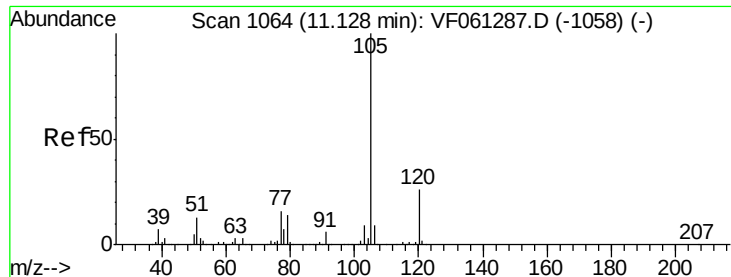


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 20.581 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 306885

Ion Ratio Lower Upper

105 100

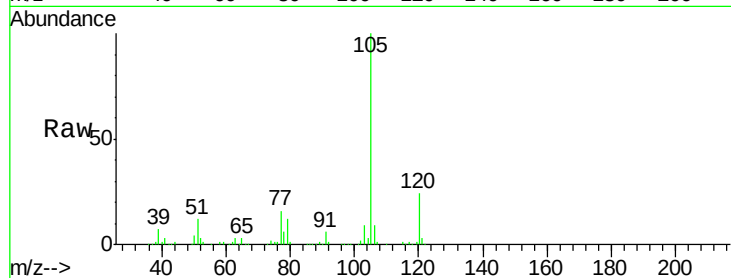
120 24.3 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

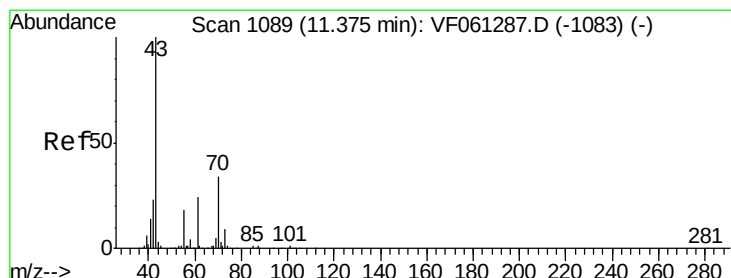
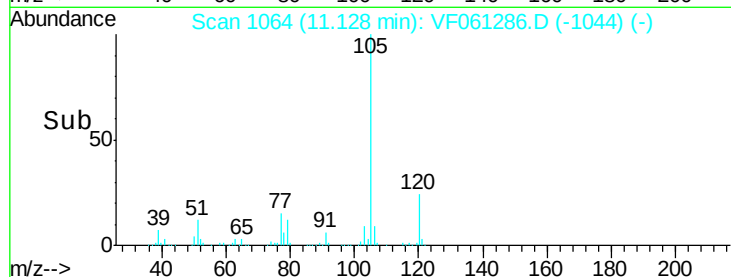
100000

50000

0

11.00 11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 17.607 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion: 43 Resp: 66285

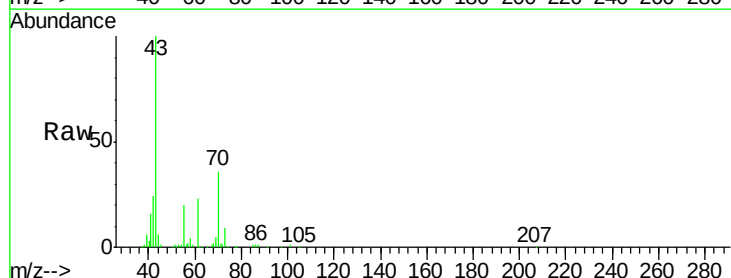
Ion Ratio Lower Upper

43 100

70 36.0 27.4 41.0

55 19.6 14.7 22.1

61 23.3 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

60000

50000

40000

30000

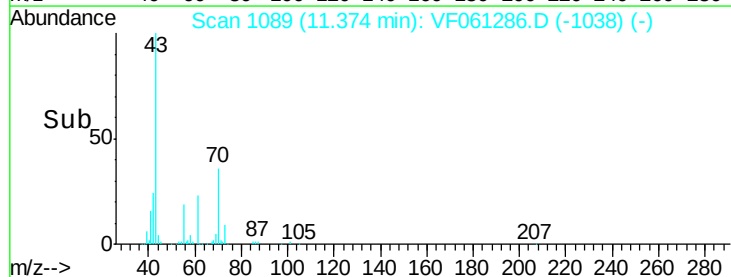
20000

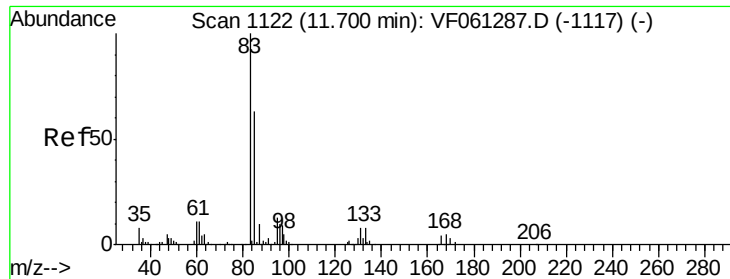
10000

0

11.30 11.40 11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.846 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

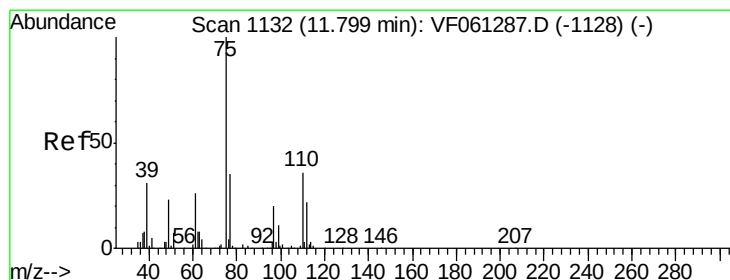
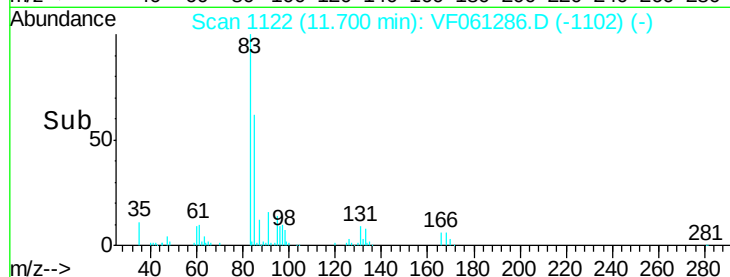
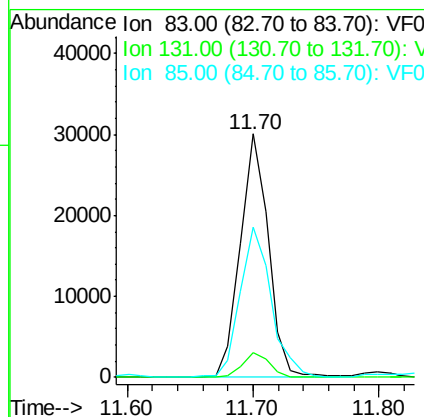
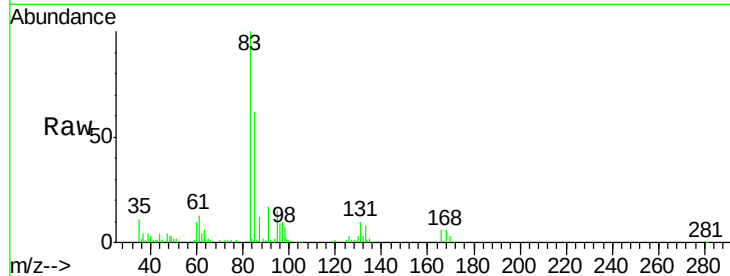
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	46480
Ion	Ratio	Lower	Upper
83	100		
131	10.0	3.9	11.7
85	61.8	31.6	94.7

Manual Integrations
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1/9/2019 11:44:50 AM



#76

1,2,3-Trichloropropane

Concen: 18.404 ug/l

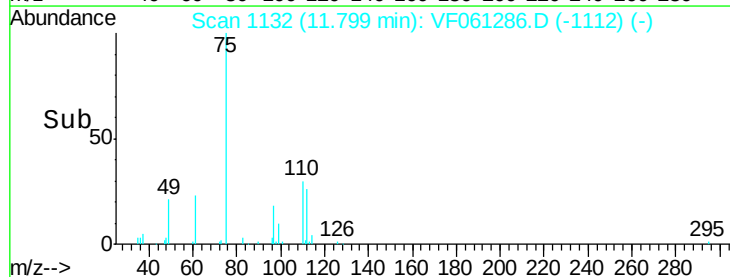
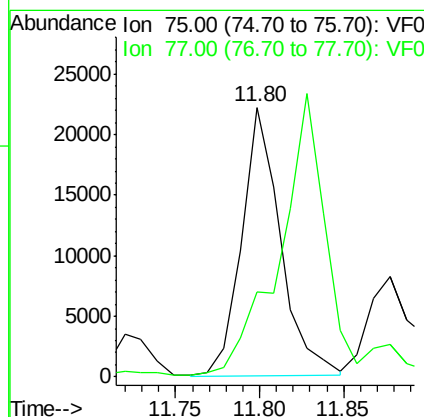
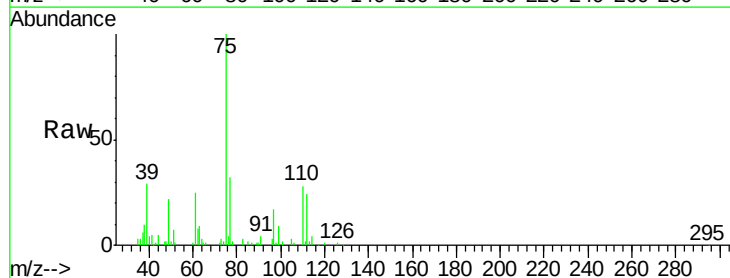
RT: 11.80 min Scan# 1132

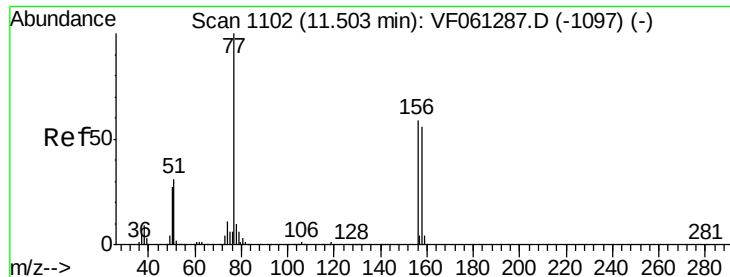
Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion:	75	Resp:	35585
Ion	Ratio	Lower	Upper
75	100		
77	31.7	17.5	52.5





#77

Bromobenzene

Concen: 19.589 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

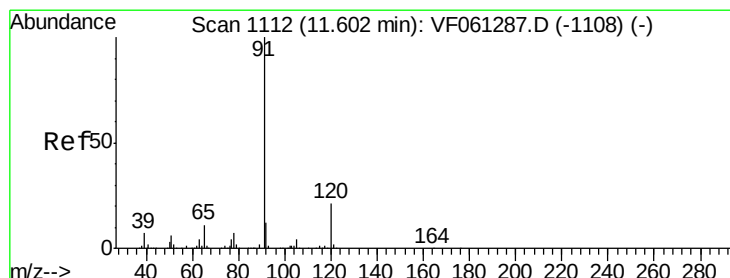
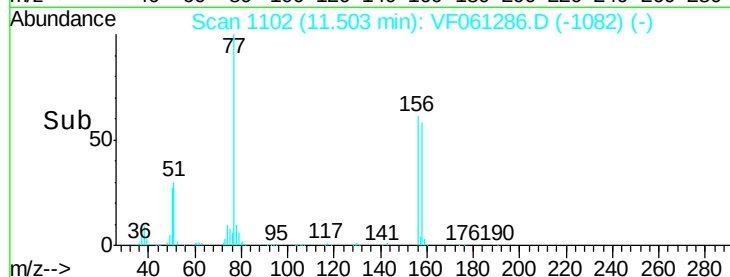
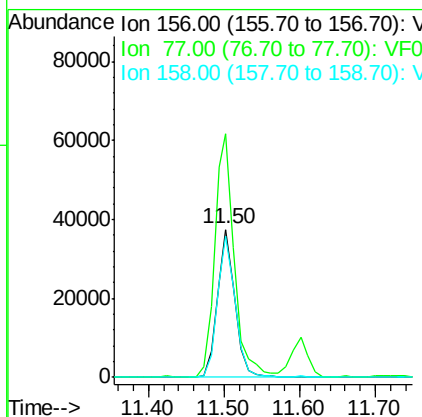
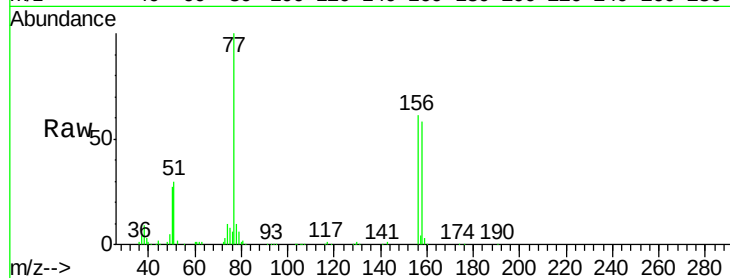
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		61320		
77	164.3		84.3	252.9	
158	95.2		47.1	141.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.983 ug/l

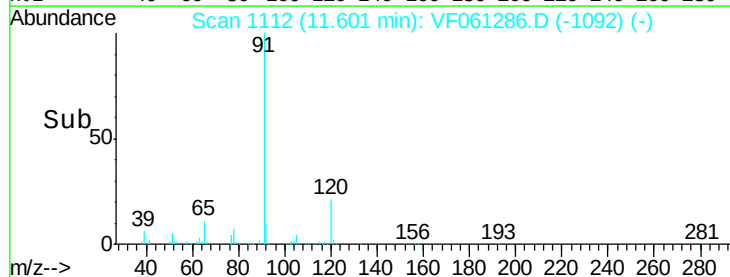
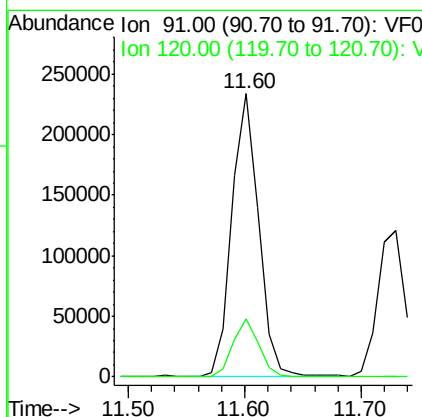
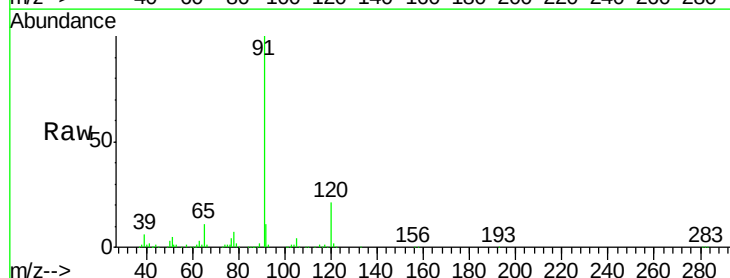
RT: 11.60 min Scan# 1112

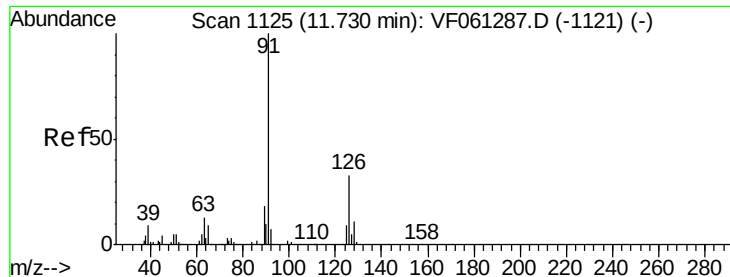
Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		372937		
120	20.6		10.7	32.1	





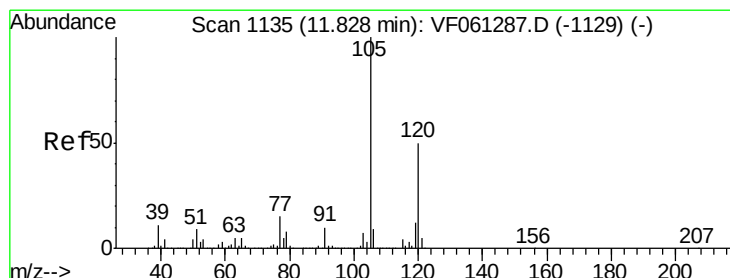
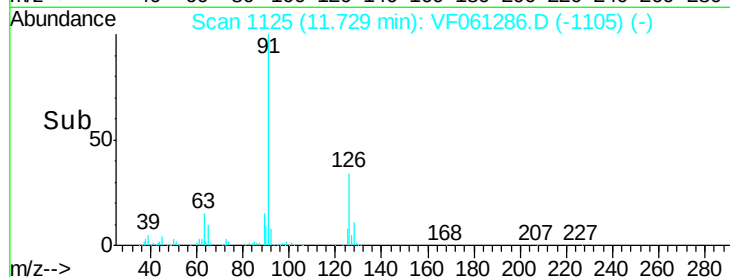
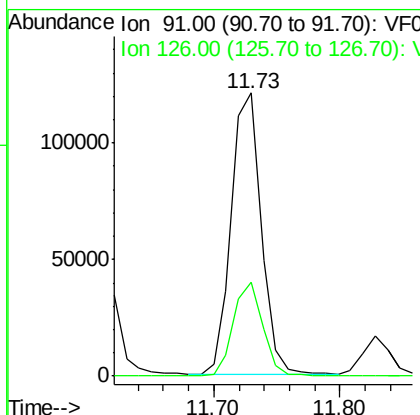
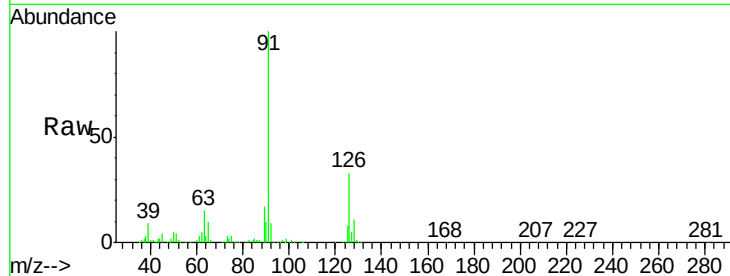
#79
 2-Chlorotoluene
 Concen: 19.315 ug/l
 RT: 11.73 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.8

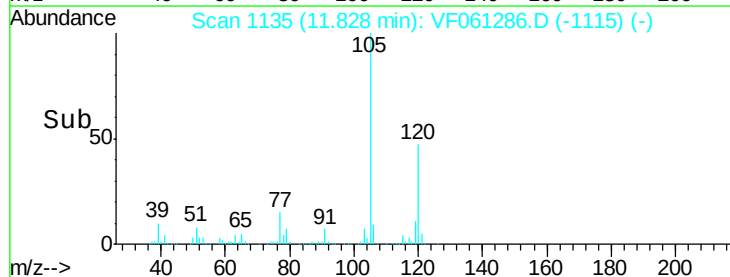
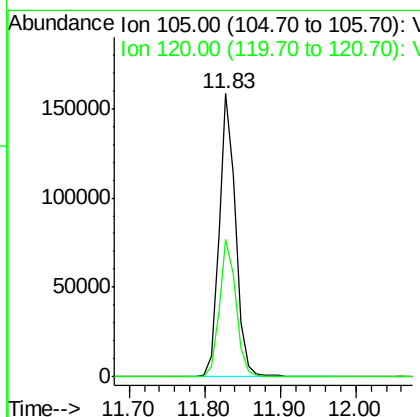
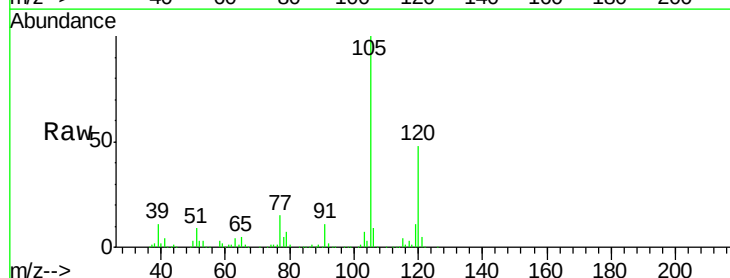
Manual Integrations
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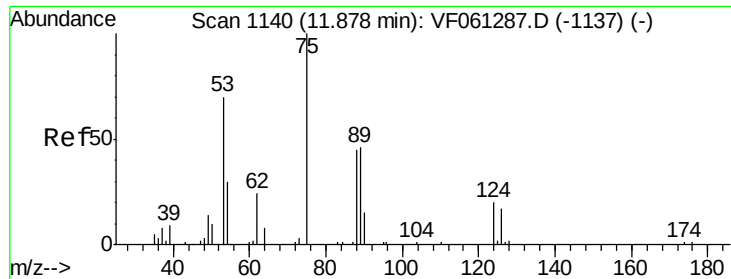
MMDadoda
 1/9/2019 11:44:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.084 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	25.2	75.6





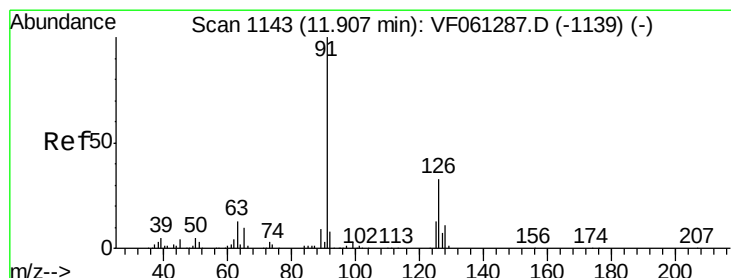
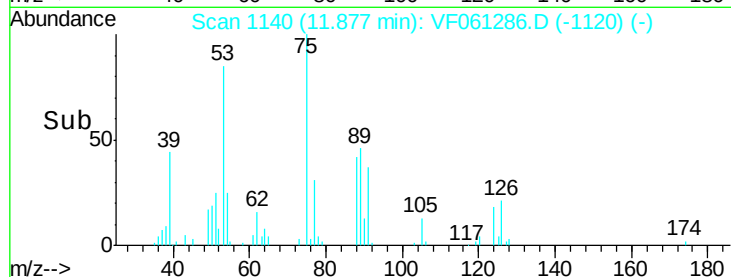
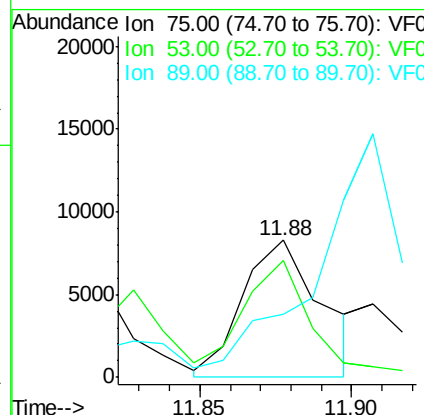
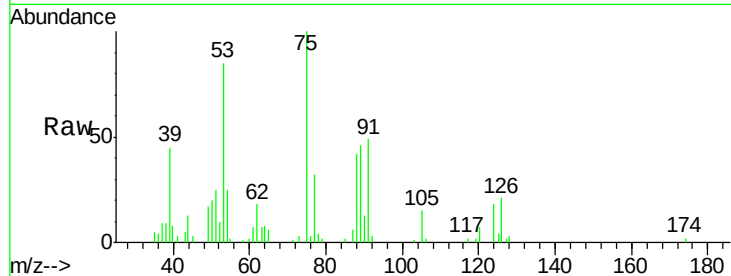
#81
trans-1,4-Dichloro-2-butene
Concen: 16.742 ug/l m
RT: 11.88 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.2	62.2	93.2
89	46.1	40.2	60.4

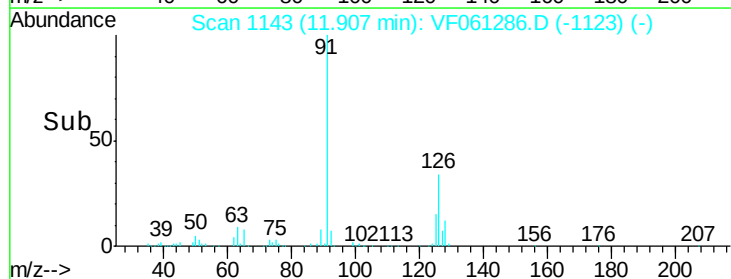
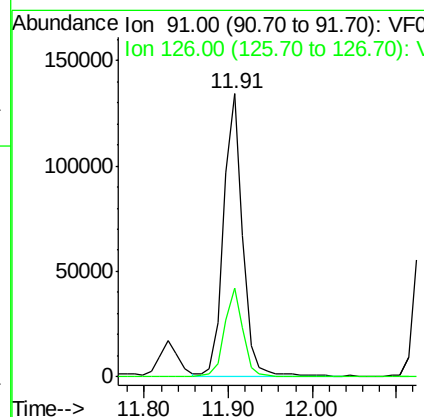
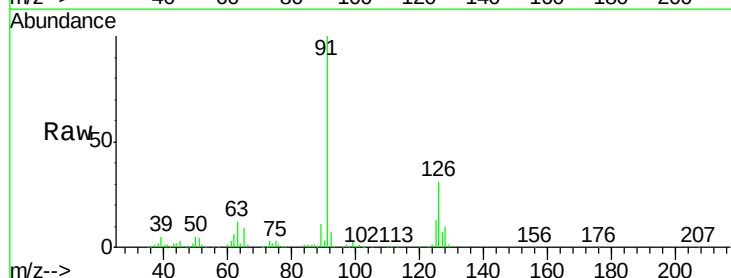
Manual Integrations
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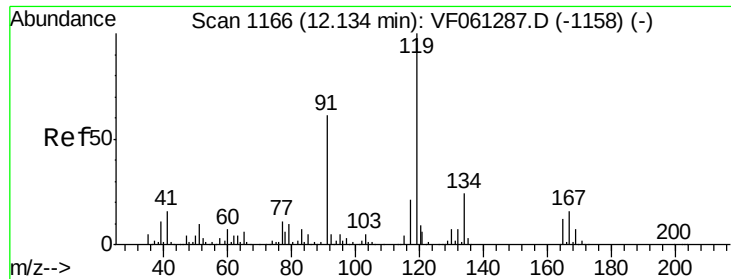
MMDadoda
1/9/2019 11:44:50 AM



#82
4-Chlorotoluene
Concen: 20.186 ug/l
RT: 11.91 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.4	49.4





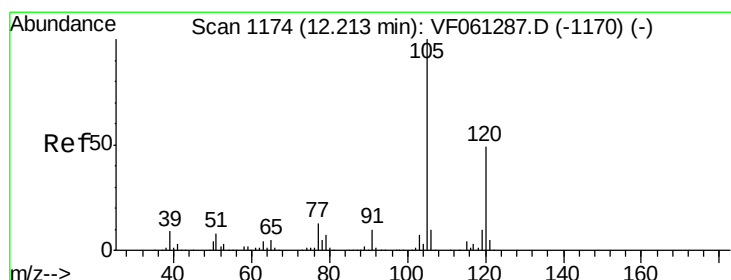
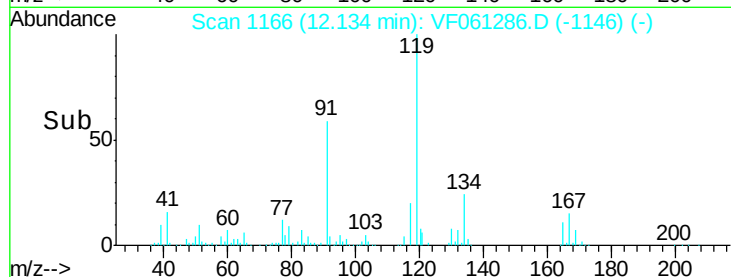
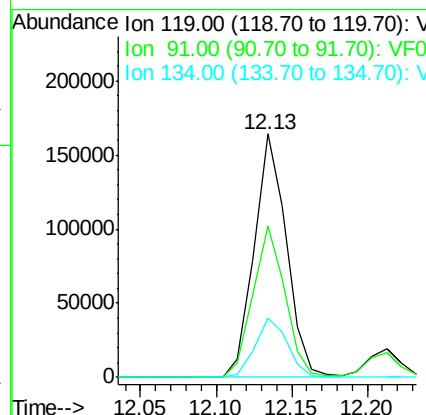
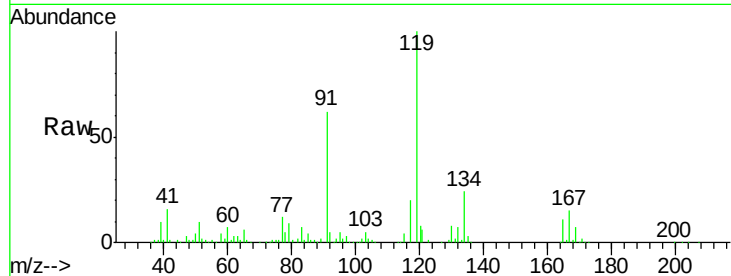
#83
 tert-Butylbenzene
 Concen: 19.753 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	245176		
91	62.0		30.8	92.4
134	24.2		11.9	35.9

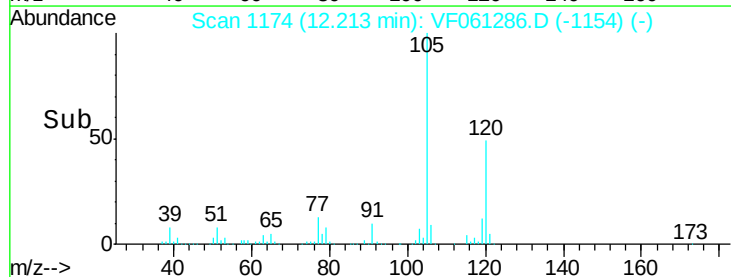
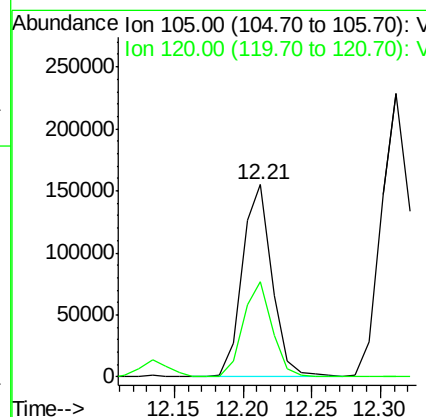
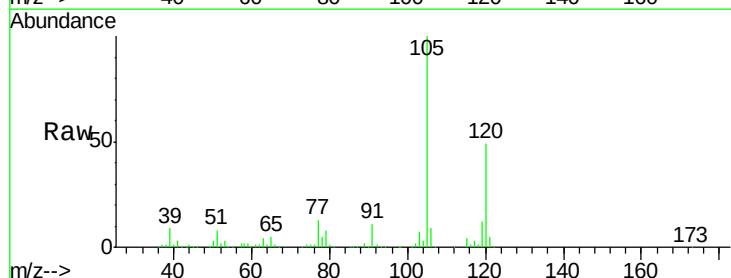
Manual Integrations
 APPROVED

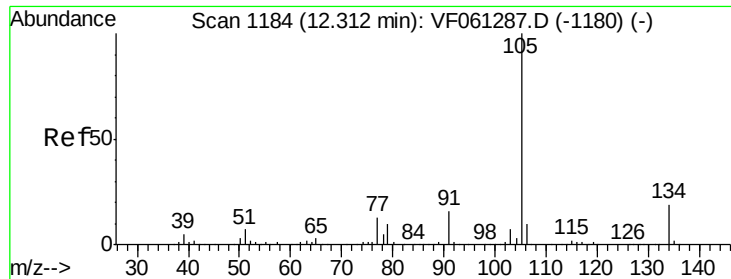
MMDadoda
 1/9/2019 11:44:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.504 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233737		
120	49.4		24.7	74.1





#85

sec-Butylbenzene

Concen: 20.315 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

Instrument :

MSVOA_F

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 342020

Ion Ratio Lower Upper

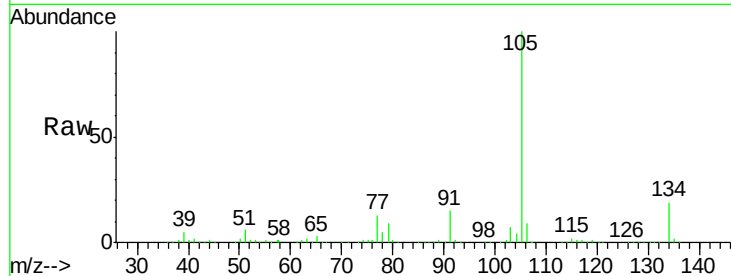
105 100

134 19.4 9.7 28.9

Manual Integrations
APPROVED

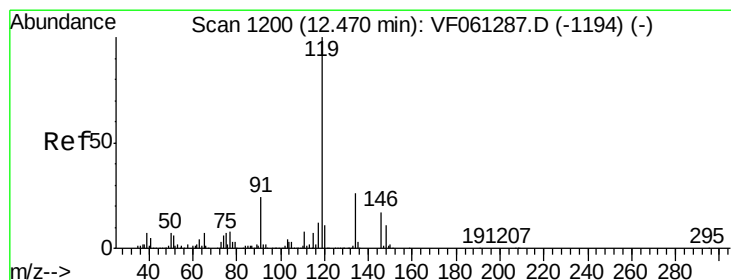
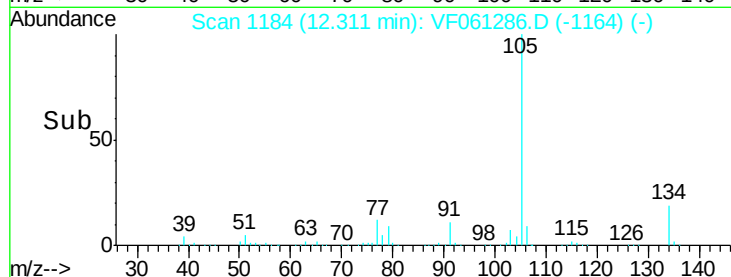
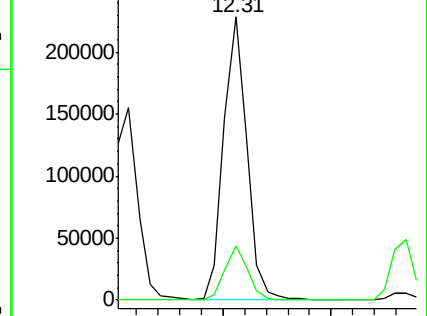
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.080 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061286.D

Acq: 8 Jan 2019 15:02

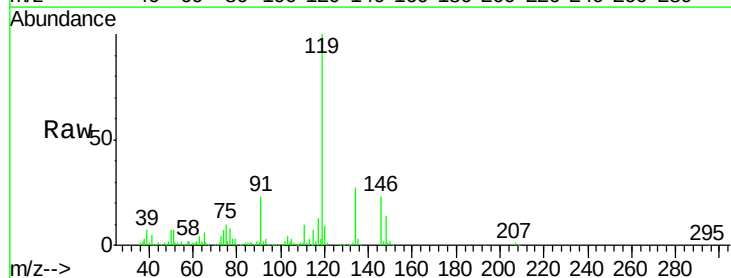
Tgt Ion:119 Resp: 278547

Ion Ratio Lower Upper

119 100

134 27.3 13.0 39.0

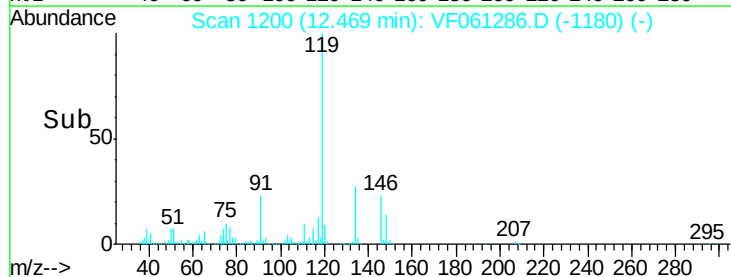
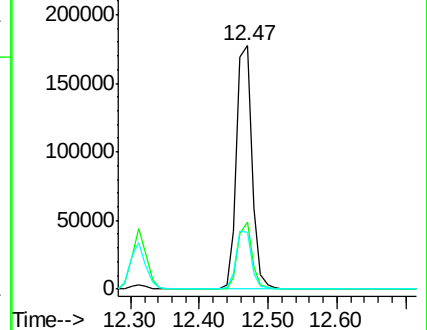
91 23.3 12.2 36.4

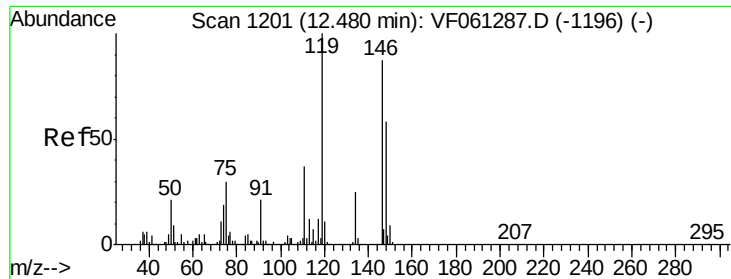


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





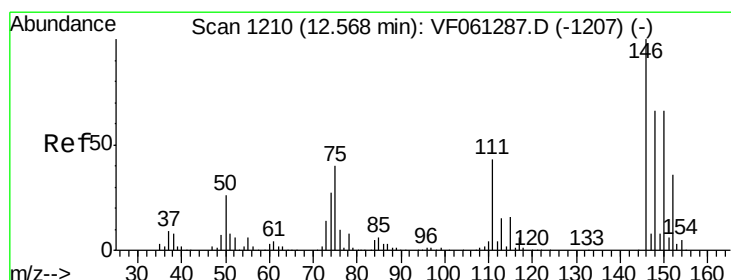
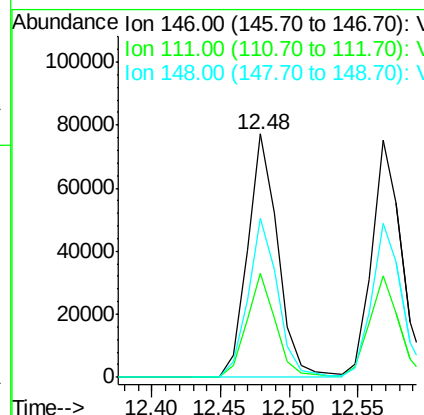
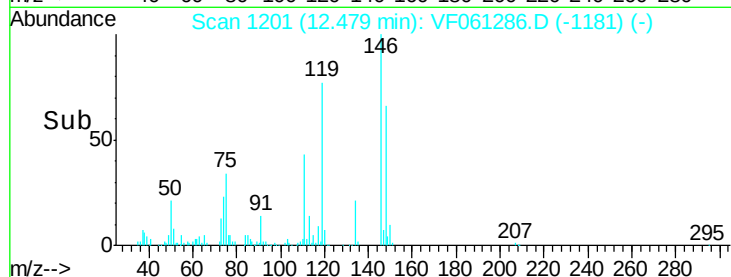
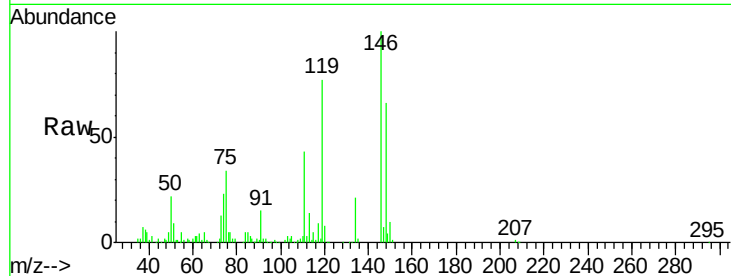
#87
 1,3-Dichlorobenzene
 Concen: 19.644 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.3
148	65.6	33.1	99.5

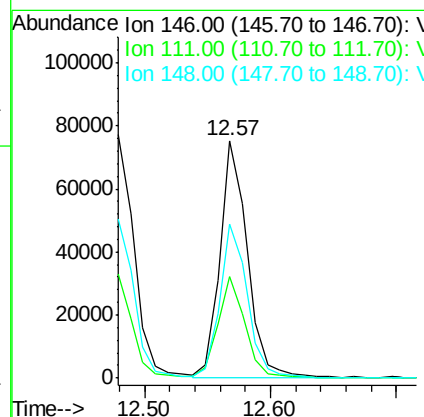
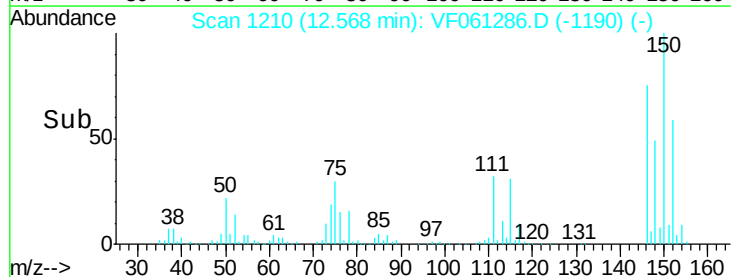
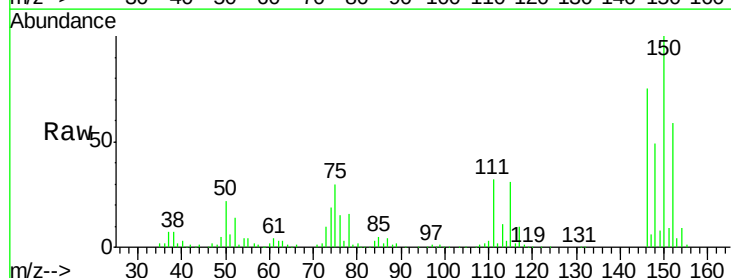
Manual Integrations
 APPROVED

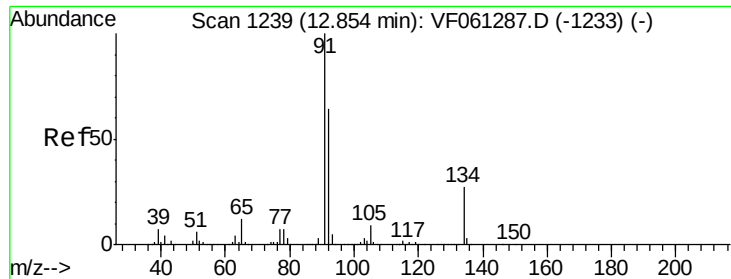
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#88
 1,4-Dichlorobenzene
 Concen: 19.255 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.2
148	64.8	33.0	98.9





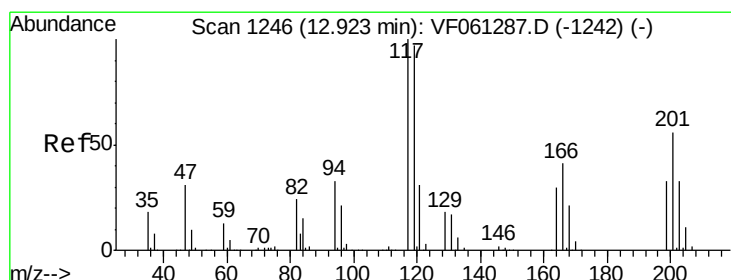
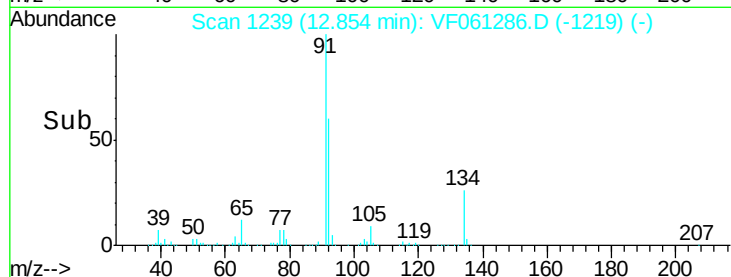
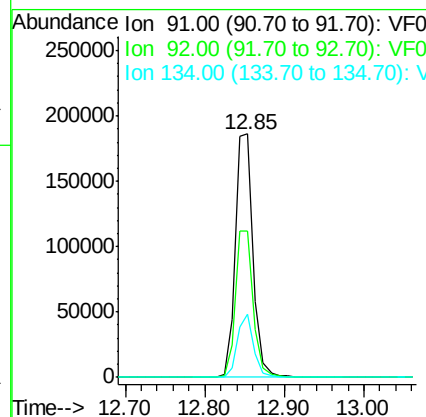
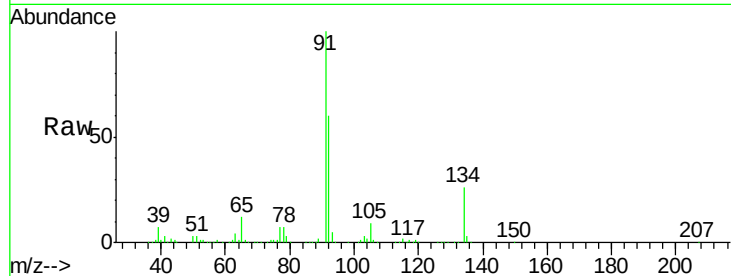
#89
n-Butylbenzene
Concen: 20.652 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	294344		
92	60.0		32.1	96.3
134	25.9		13.4	40.1

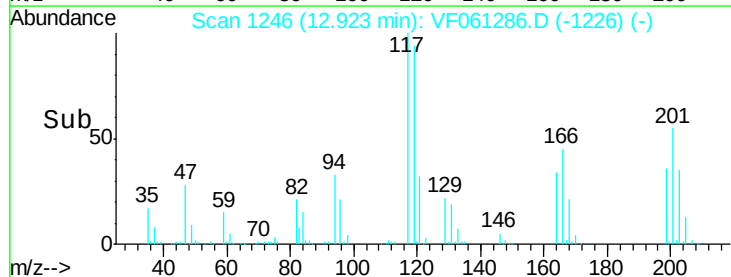
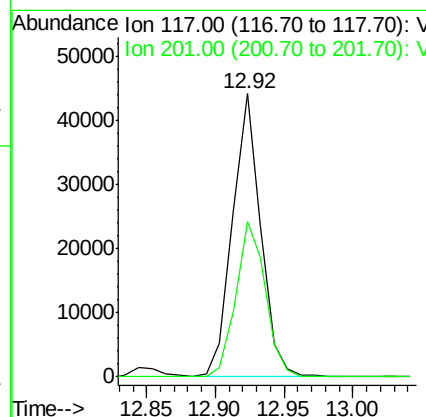
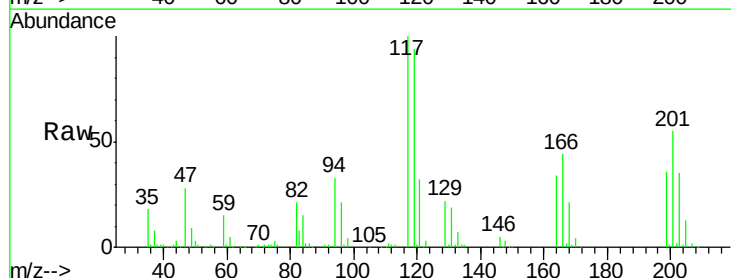
Manual Integrations
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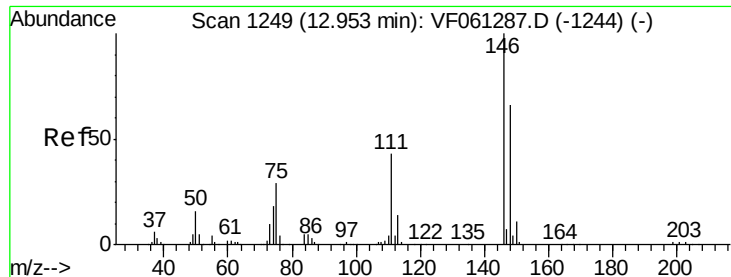
MMDadoda
1/9/2019 11:44:50 AM



#90
Hexachloroethane
Concen: 18.454 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	63158		
201	54.8		27.9	83.7





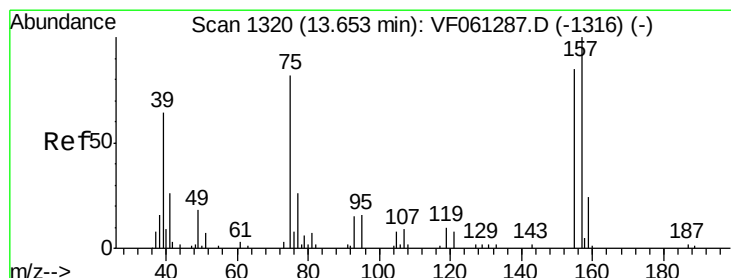
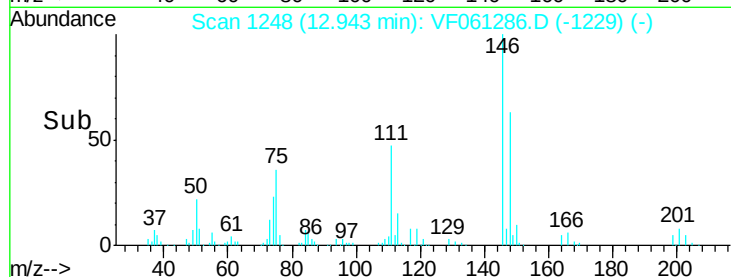
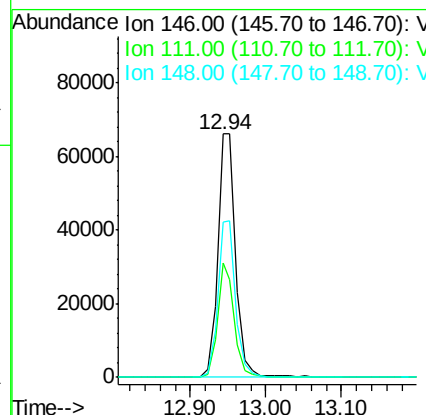
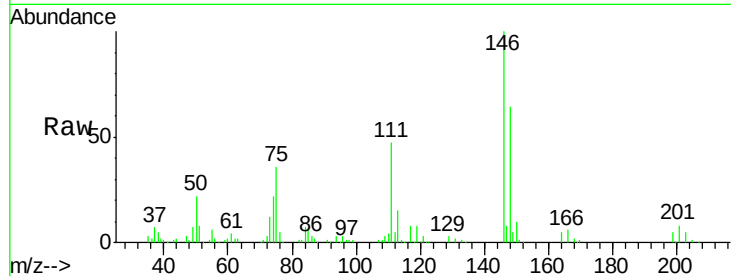
#91
 1,2-Dichlorobenzene
 Concen: 18.945 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.8	21.4	64.3
148	63.5	33.1	99.2

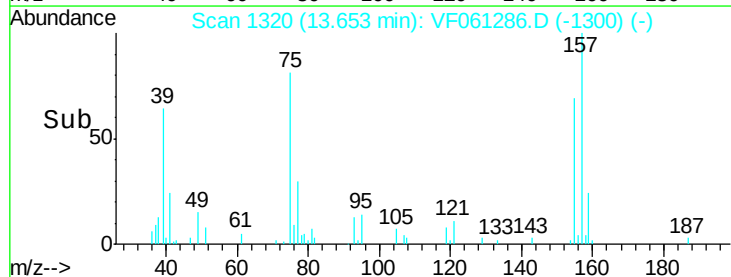
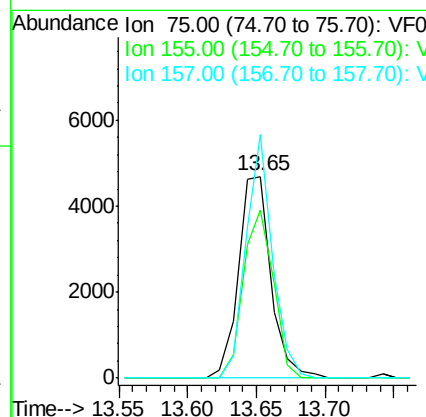
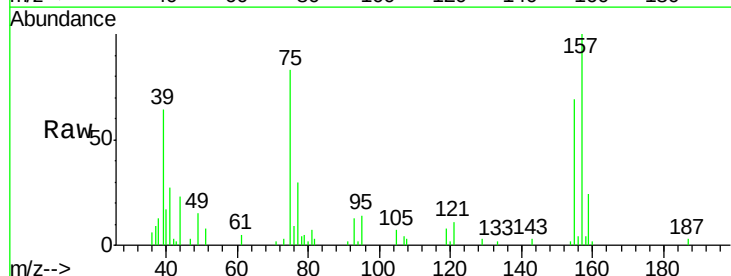
Manual Integrations
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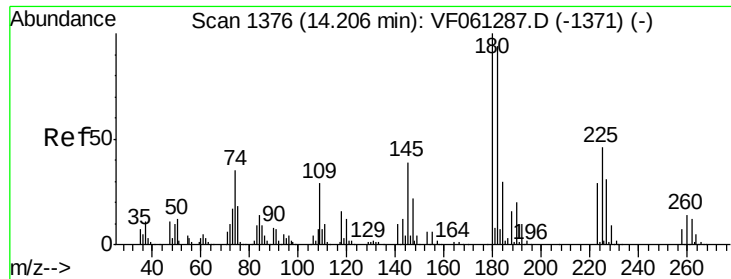
MMDadoda
 1/9/2019 11:44:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.547 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061286.D
 Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	51.3	154.0
157	120.6	60.7	182.0





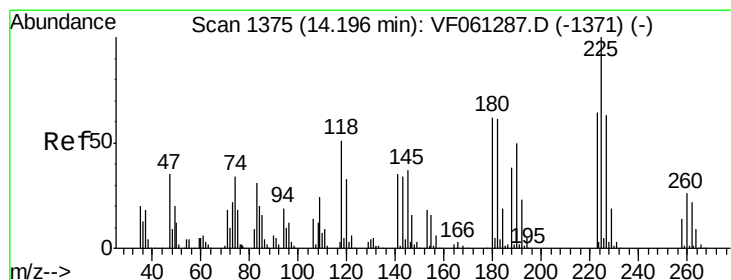
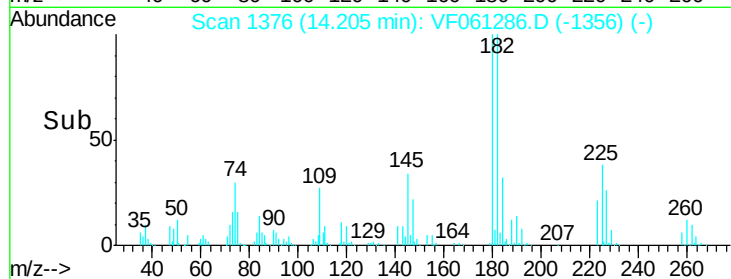
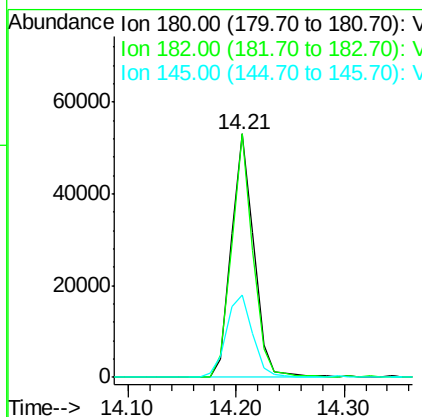
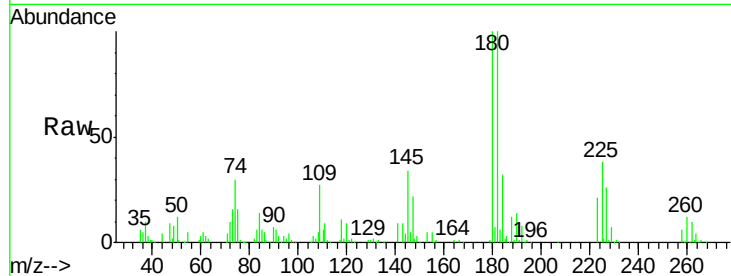
#93
1,2,4-Trichlorobenzene
Concen: 19.047 ug/l
RT: 14.21 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	77823		
182	99.8	47.0	141.2	
145	33.8	19.7	59.1	

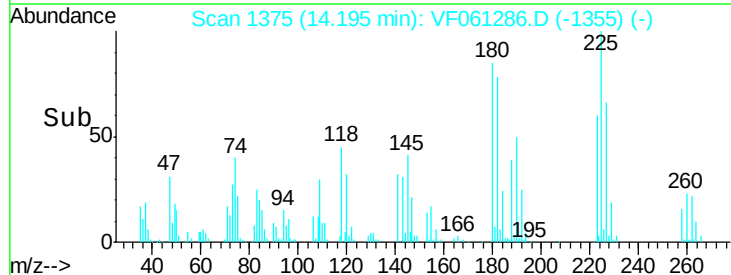
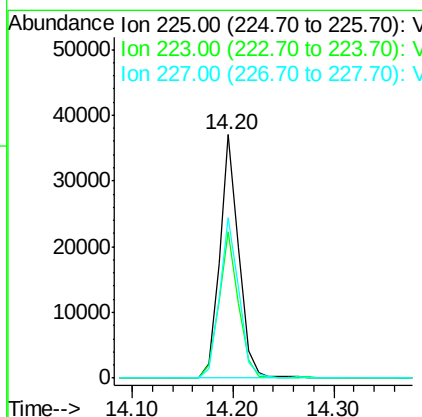
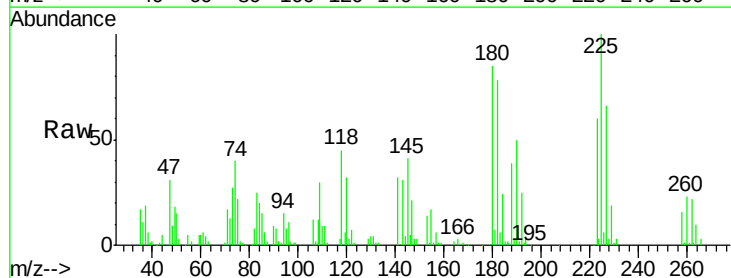
Manual Integrations
APPROVED

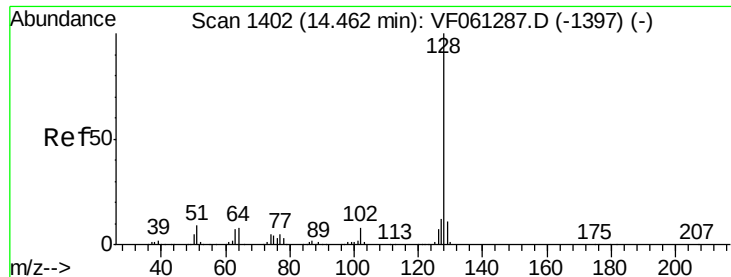
MMDadoda
1/9/2019 11:44:50 AM



#94
Hexachlorobutadiene
Concen: 18.809 ug/l
RT: 14.20 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48964		
223	60.0	31.8	95.4	
227	66.0	31.3	93.9	





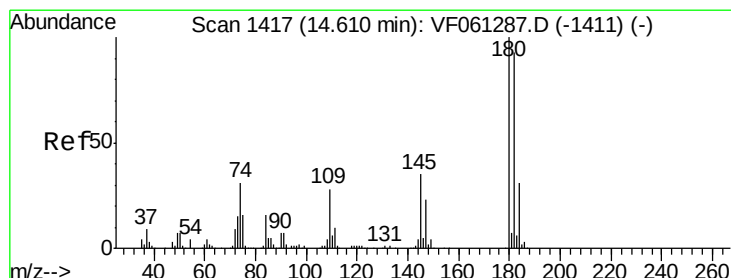
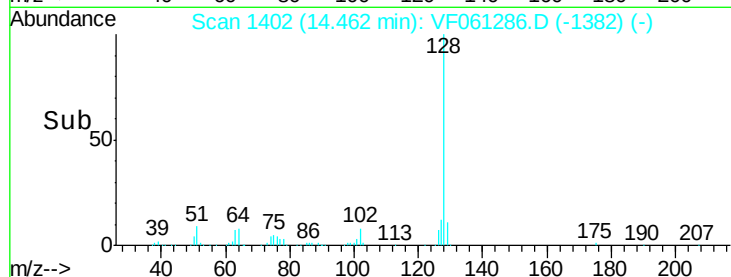
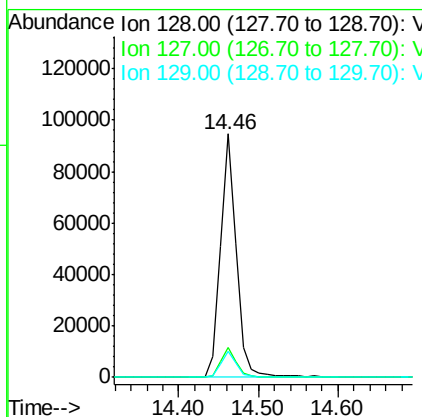
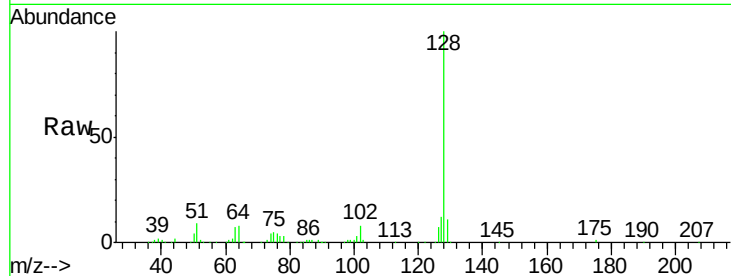
#95
Naphthalene
Concen: 17.680 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	135028		
127	12.5		9.4	14.0
129	10.8		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/9/2019 11:44:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.260 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061286.D
Acq: 8 Jan 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69177		
182	96.2		46.5	139.3
145	34.9		17.5	52.6

