

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062283.D
 Acq On : 24 Apr 2019 16:08
 Operator : FY/SY
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:21:02 AM

Quant Time: Apr 25 08:26:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	478171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	689101	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	526668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	273937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	365736	94.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.64%	
35) Dibromofluoromethane	4.31	113	460473	87.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.60%	
50) Toluene-d8	7.73	98	1155221	92.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.50%	
62) 4-Bromofluorobenzene	11.50	95	452094	85.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	514986	87.053	ug/l	98
3) Chloromethane	1.15	50	443043	89.426	ug/l	93
4) Vinyl Chloride	1.19	62	420664	90.510	ug/l	95
5) Bromomethane	1.40	94	276187	88.044	ug/l	90
6) Chloroethane	1.44	64	184030	90.370	ug/l	99
7) Trichlorofluoromethane	1.56	101	684815	93.406	ug/l	90
8) Diethyl Ether	1.71	74	120055	91.111	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	430354	93.646	ug/l	98
10) Methyl Iodide	1.99	142	748865	93.618	ug/l	100
11) Tert butyl alcohol	2.72	59	115924	502.129	ug/l	99
12) 1,1-Dichloroethene	1.87	96	377262	89.464	ug/l	99
13) Acrolein	2.11	56	109052	713.228	ug/l	100
14) Allyl chloride	2.21	41	399213	62.793	ug/l #	70
15) Acrylonitrile	3.09	53	300177	449.569	ug/l	99
16) Acetone	2.35	43	393320	454.021	ug/l	100
17) Carbon Disulfide	1.92	76	983137	89.913	ug/l	98
18) Methyl Acetate	2.47	43	157580	73.363	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	728364	93.745	ug/l	99
20) Methylene Chloride	2.34	84	347503m	63.405	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	381347	94.154	ug/l	99
22) Diisopropyl ether	2.94	45	1109868	91.719	ug/l #	97
23) Vinyl Acetate	3.36	43	2422874	462.155	ug/l	98
24) 1,1-Dichloroethane	3.02	63	646930	95.301	ug/l	98
25) 2-Butanone	4.54	43	641853	467.479	ug/l	99
26) 2,2-Dichloropropane	3.78	77	313222	88.348	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	490568	94.687	ug/l	96
28) Bromochloromethane	3.91	49	245945	82.846	ug/l #	95
29) Tetrahydrofuran	4.29	42	280990	469.538	ug/l	97
30) Chloroform	4.06	83	817512	96.552	ug/l	98
31) Cyclohexane	3.88	56	609706	92.851	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	638170	101.207	ug/l #	84
36) 1,1-Dichloropropene	4.48	75	590869	90.279	ug/l	98
37) Ethyl Acetate	4.31	43	244723	91.067	ug/l	87
38) Carbon Tetrachloride	4.20	117	580522m	90.777	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	677194	87.801	ug/l	98
40) Benzene	4.84	78	1426399	90.357	ug/l	99
41) Methacrylonitrile	4.95	41	138941	92.564	ug/l	92
42) 1,2-Dichloroethane	5.14	62	473474	97.667	ug/l	99
43) Isopropyl Acetate	7.12	43	275528	97.210	ug/l #	100
44) Trichloroethene	5.69	130	474318	88.838	ug/l	99
45) 1,2-Dichloropropane	6.42	63	318610	91.624	ug/l	97
46) Dibromomethane	6.27	93	242094	96.109	ug/l	99
47) Bromodichloromethane	6.56	83	552022	93.087	ug/l	97
48) Methyl methacrylate	6.89	41	183166	94.180	ug/l	100
49) 1,4-Dioxane	6.88	88	40349	1812.725	ug/l	98
51) 4-Methyl-2-Pentanone	8.42	43	935116	431.190	ug/l	99
52) Toluene	7.79	92	802338	88.615	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	402818	93.272	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	521981	93.079	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	254703	102.924	ug/l	94
56) Ethyl methacrylate	8.77	69	263337	95.190	ug/l	99
57) 1,3-Dichloropropane	9.01	76	374522	96.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	404968	473.854	ug/l	99
59) 2-Hexanone	9.63	43	619757	293.046	ug/l	98
60) Dibromochloromethane	8.87	129	408173	102.360	ug/l	95
61) 1,2-Dibromoethane	9.14	107	283123	98.178	ug/l	96
64) Tetrachloroethene	8.32	164	385800	85.224	ug/l	97
65) Chlorobenzene	9.94	112	878618	89.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	401228	85.217	ug/l	99
67) Ethyl Benzene	10.04	91	1441931	83.218	ug/l	97
68) m/p-Xylenes	10.27	106	1129124	176.487	ug/l	90
69) o-Xylene	10.83	106	619236	86.225	ug/l	89
70) Styrene	10.90	104	901162	86.736	ug/l	98
71) Bromoform	10.89	173	239790	93.835	ug/l #	100
73) Isopropylbenzene	11.22	105	1727051	88.307	ug/l	94
74) N-amyl acetate	11.45	43	400453	90.186	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	283530	96.945	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	200587	95.042	ug/l #	100
77) Bromobenzene	11.59	156	445784	94.510	ug/l	99
78) n-propylbenzene	11.68	91	1742604	85.624	ug/l	96
79) 2-Chlorotoluene	11.81	91	1079020	89.208	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	1371660	83.824	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	85999m	70.172	ug/l	
82) 4-Chlorotoluene	11.98	91	1054117	87.942	ug/l	95
83) tert-Butylbenzene	12.20	119	1399371	81.562	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	1331287	82.729	ug/l	96
85) sec-Butylbenzene	12.38	105	1790984	84.090	ug/l	97
86) p-Isopropyltoluene	12.53	119	1573457	82.994	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	737710	85.953	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	705603	87.674	ug/l	97
89) n-Butylbenzene	12.90	91	1355148	76.648	ug/l	97
90) Hexachloroethane	12.98	117	419204	89.122	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	694211	84.141	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	60831	102.325	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Apr 25 07:31:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	604969	82.758	ug/l	98
94) Hexachlorobutadiene	14.23	225	451860	87.088	ug/l	99
95) Naphthalene	14.50	128	1055980	97.288	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	614904	91.392	ug/l	97

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

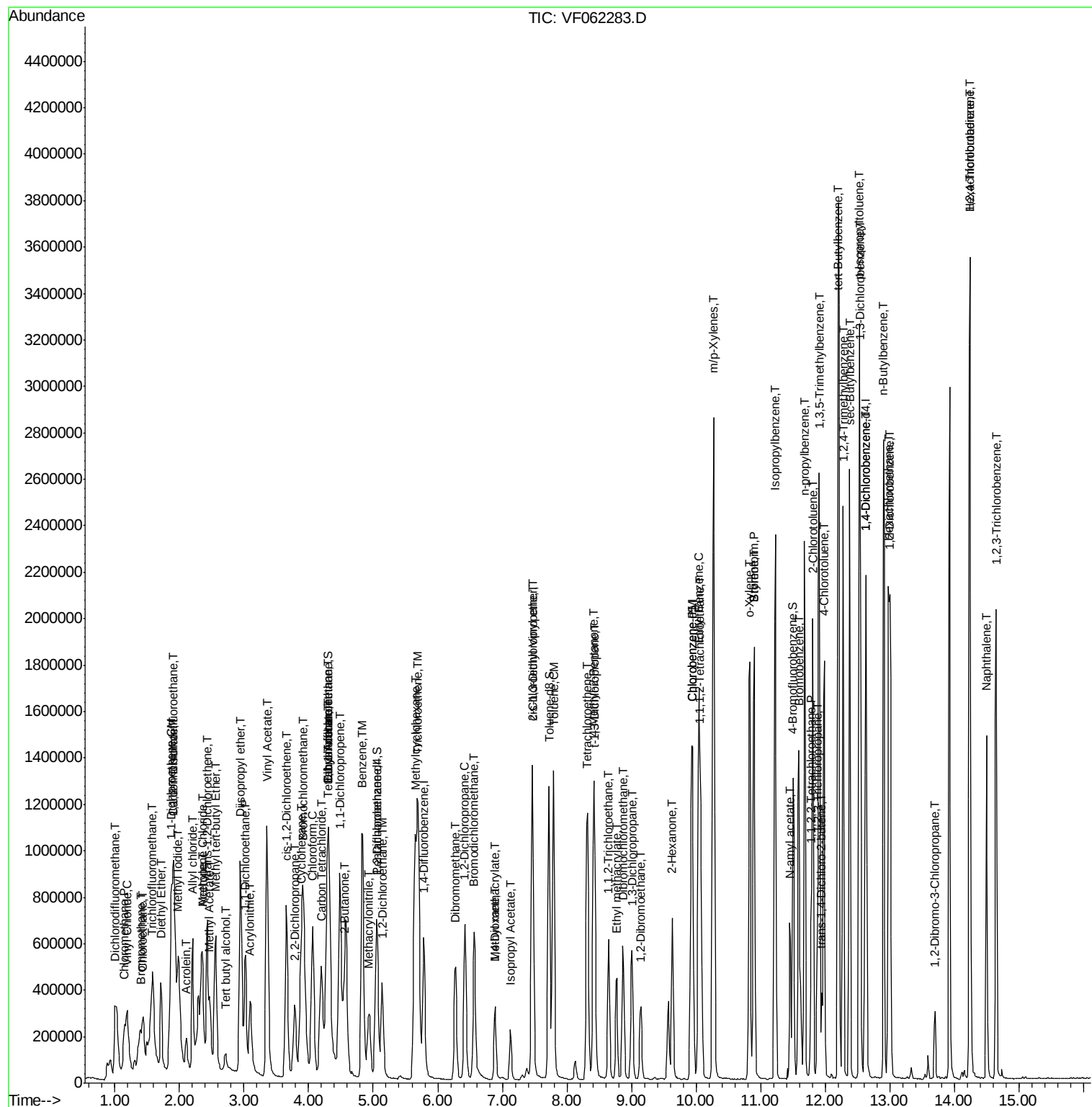
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
Data File : VF062283.D
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Operator : FY/SY
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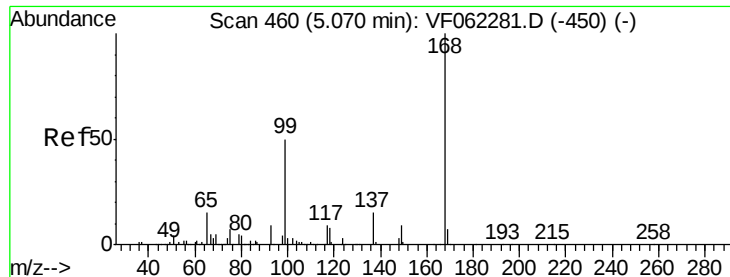
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 478171

Ion Ratio Lower Upper

168 100

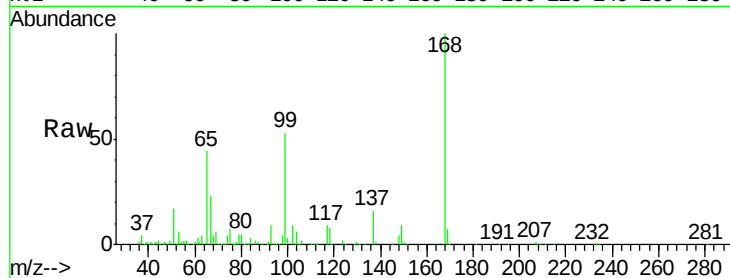
99 52.7 40.0 60.0

Manual Integrations

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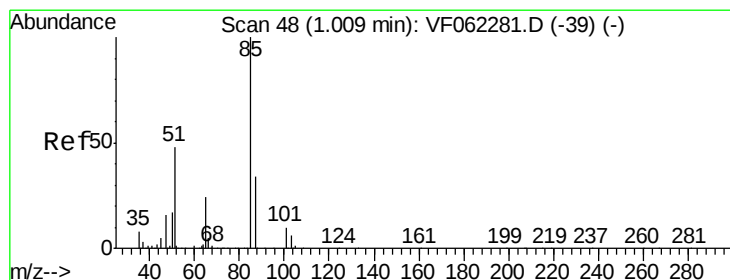
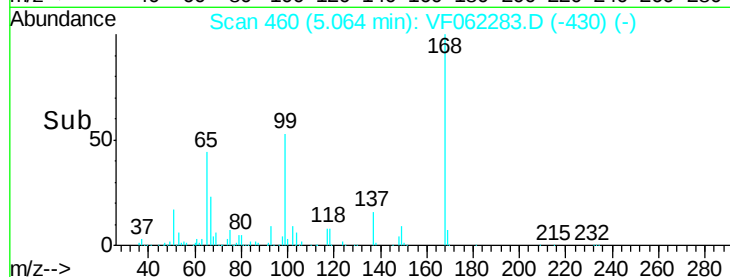
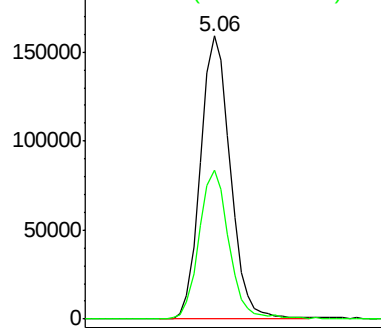
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#2

Dichlorodifluoromethane

Concen: 87.053 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062283.D

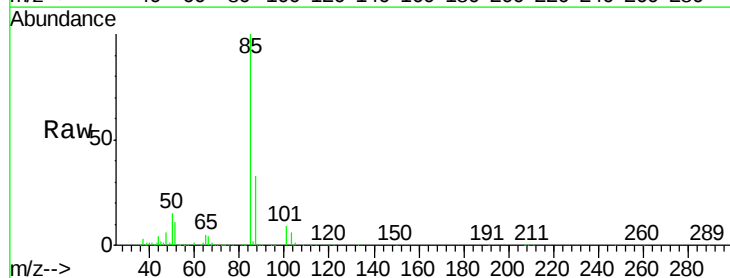
Acq: 24 Apr 2019 16:08

Tgt Ion: 85 Resp: 514986

Ion Ratio Lower Upper

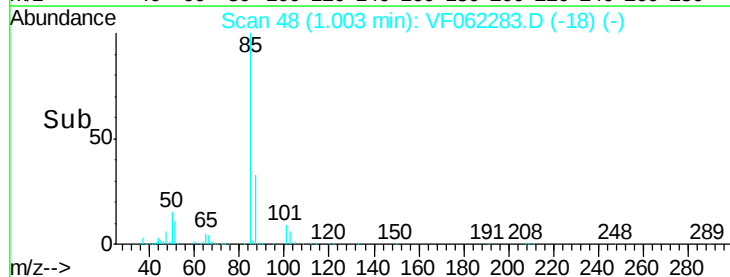
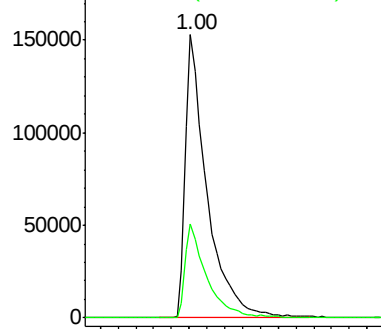
85 100

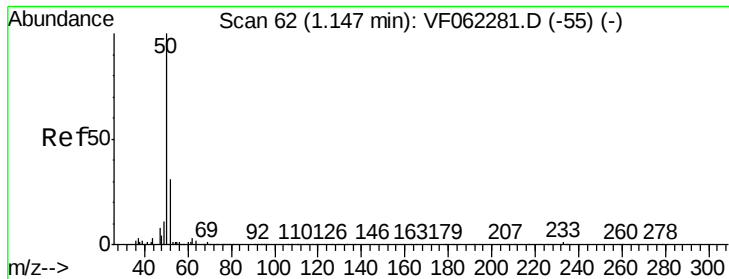
87 33.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0





#3

Chloromethane

Concen: 89.426 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 443043

Ion Ratio Lower Upper

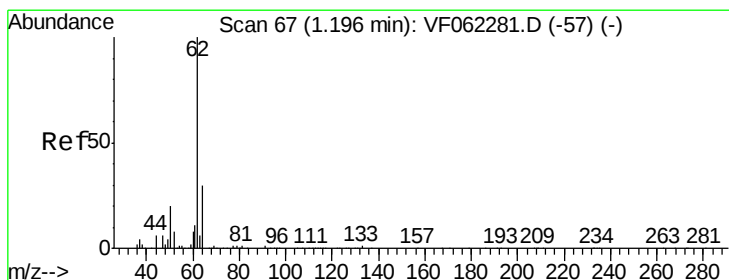
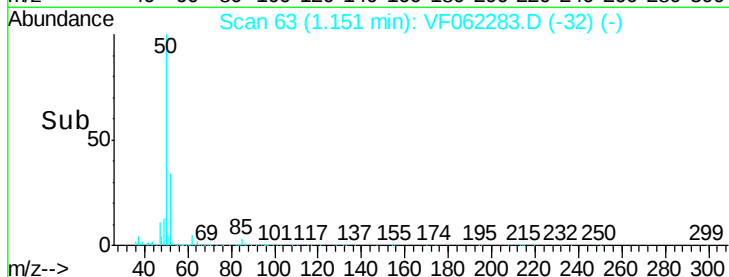
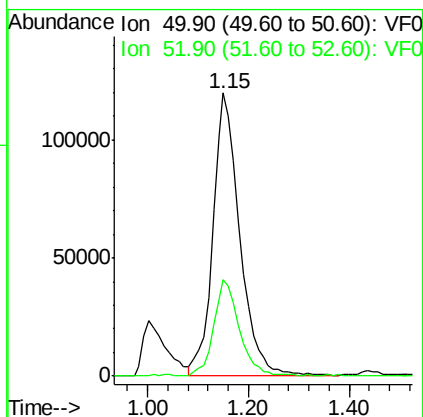
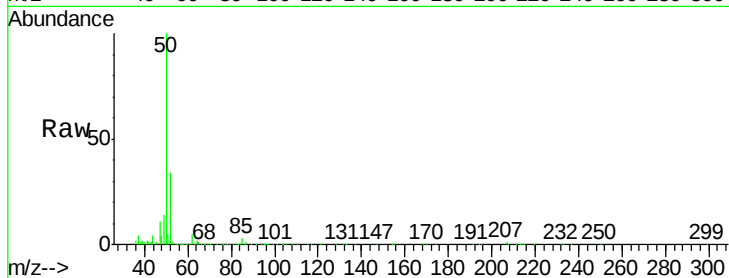
50 100

52 34.0 24.2 36.4

Manual Integrations
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4/26/2019 9:21:02 AM



#4

Vinyl Chloride

Concen: 90.510 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062283.D

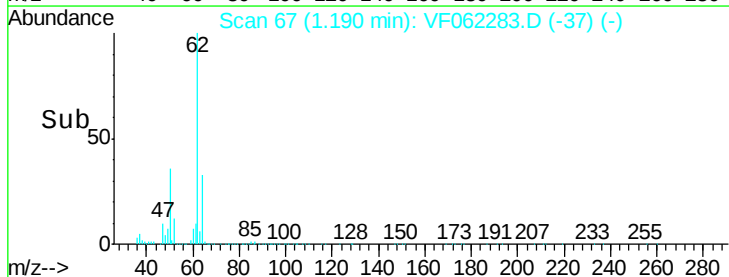
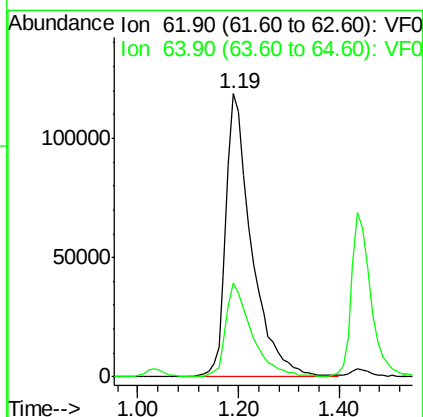
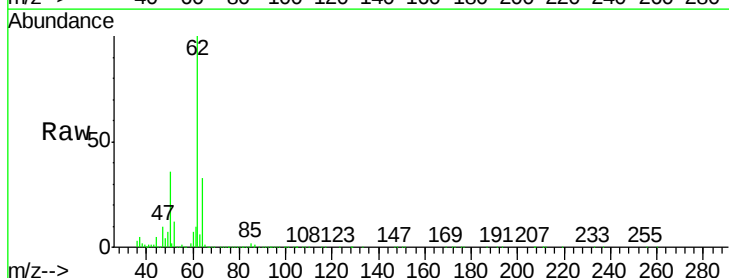
Acq: 24 Apr 2019 16:08

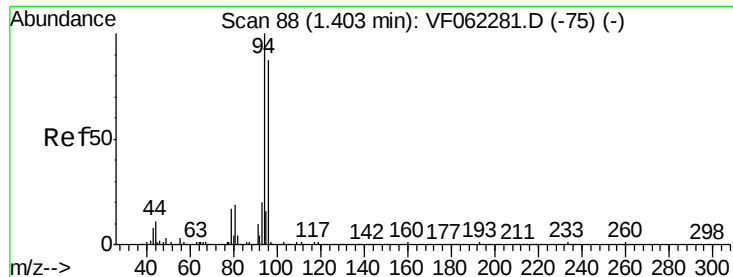
Tgt Ion: 62 Resp: 420664

Ion Ratio Lower Upper

62 100

64 33.0 24.3 36.5





#5

Bromomethane

Concen: 88.044 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

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ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 276187

Ion Ratio Lower Upper

94 100

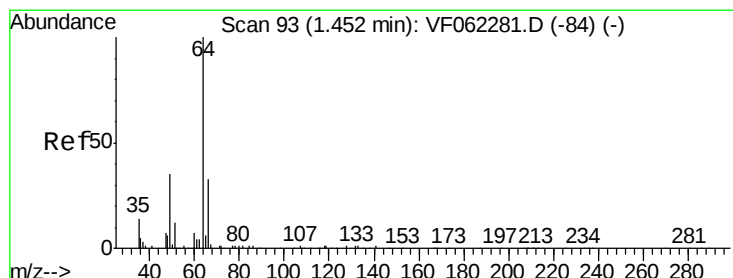
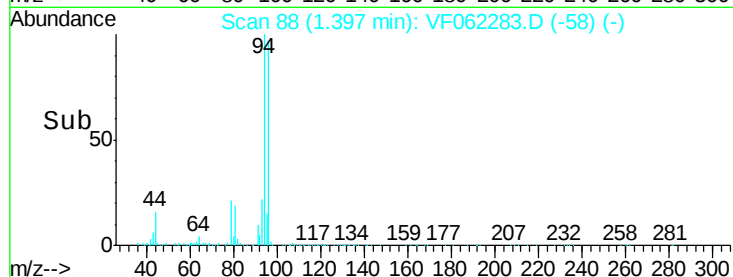
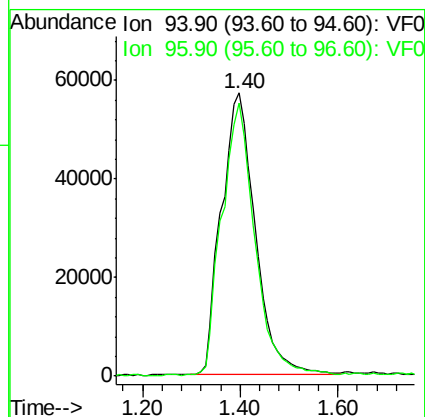
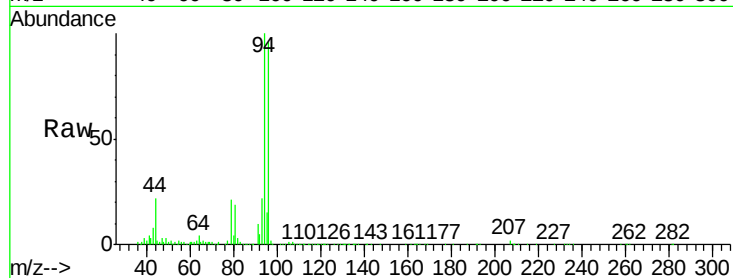
96 96.2 69.5 104.3

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4/26/2019 9:21:02 AM



#6

Chloroethane

Concen: 90.370 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.02 min

Lab File: VF062283.D

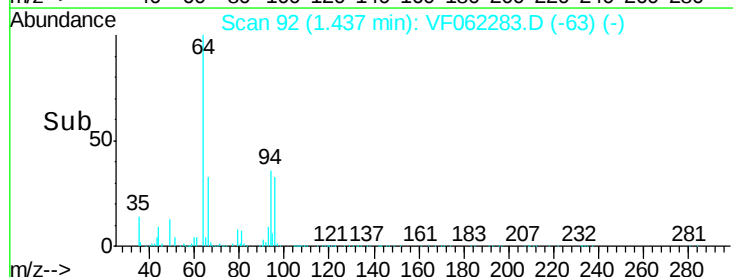
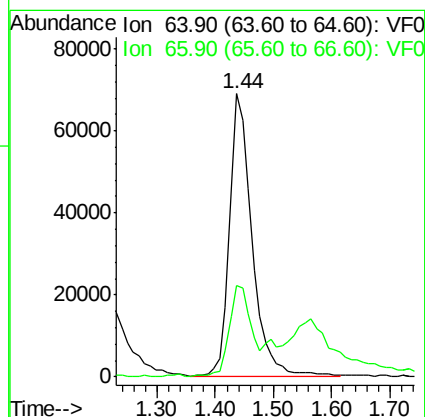
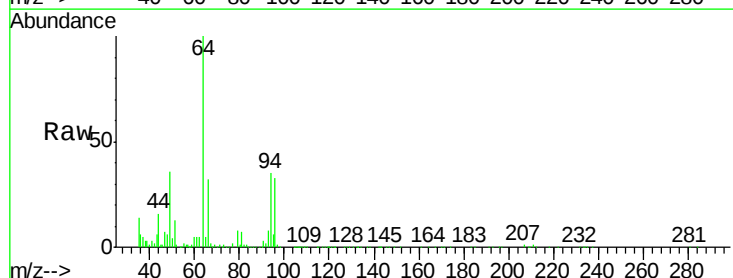
Acq: 24 Apr 2019 16:08

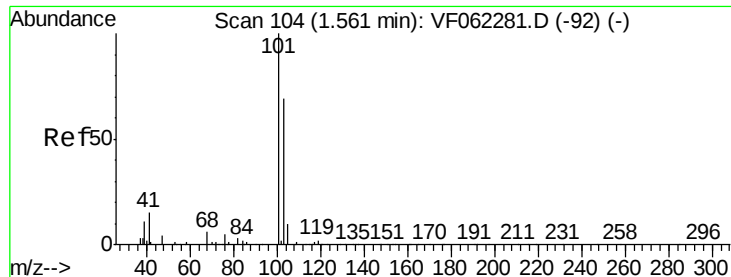
Tgt Ion: 64 Resp: 184030

Ion Ratio Lower Upper

64 100

66 32.2 26.0 39.0





#7

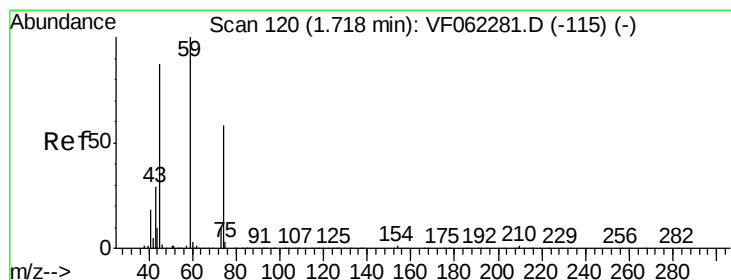
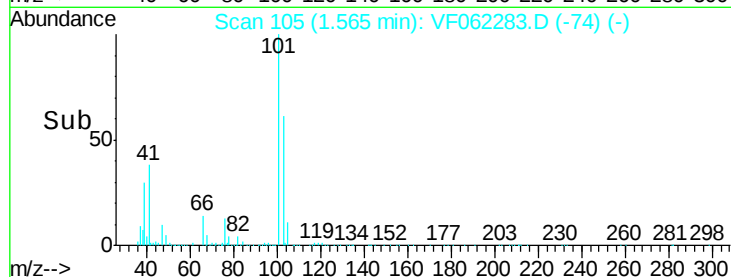
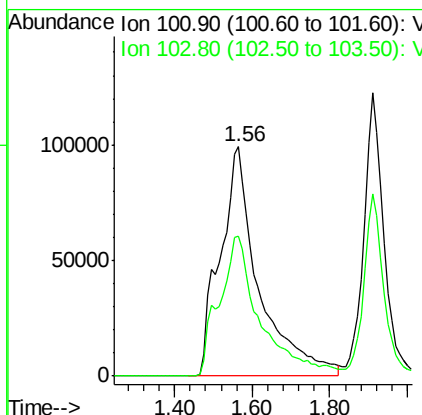
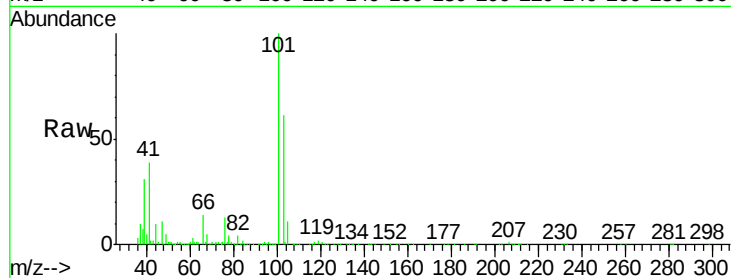
Trichlorofluoromethane
Concen: 93.406 ug/l
RT: 1.56 min Scan# 105
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 684815
Ion Ratio Lower Upper
101 100
103 61.0 55.0 82.6

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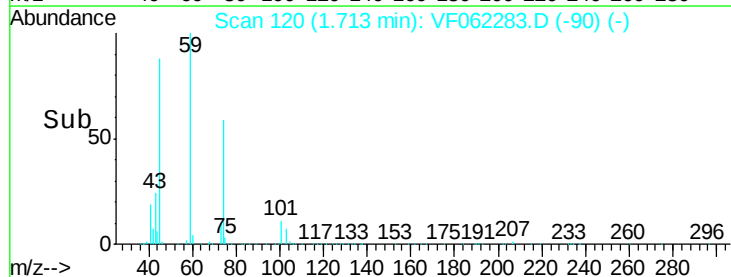
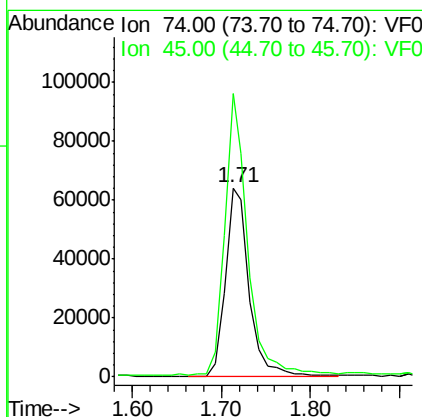
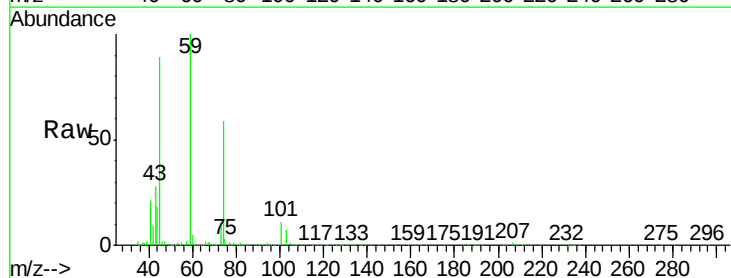
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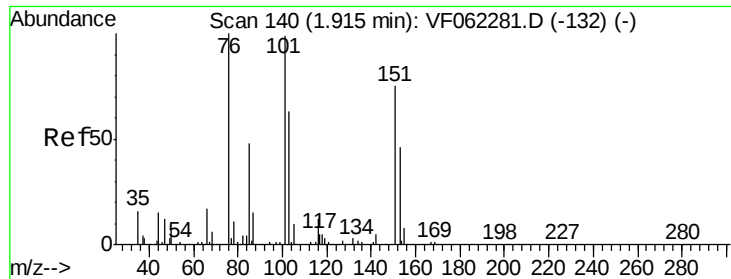


#8

Diethyl Ether
Concen: 91.111 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion: 74 Resp: 120055
Ion Ratio Lower Upper
74 100
45 143.2 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.646 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

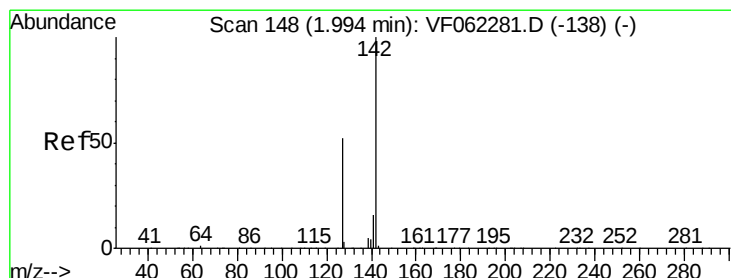
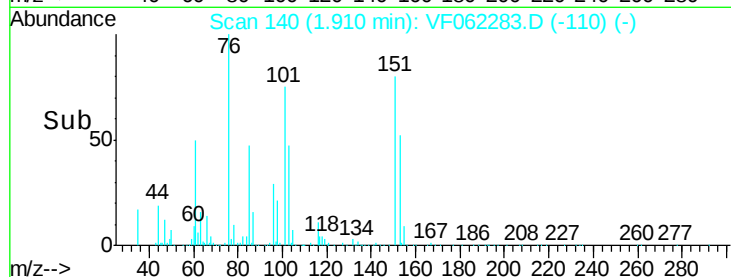
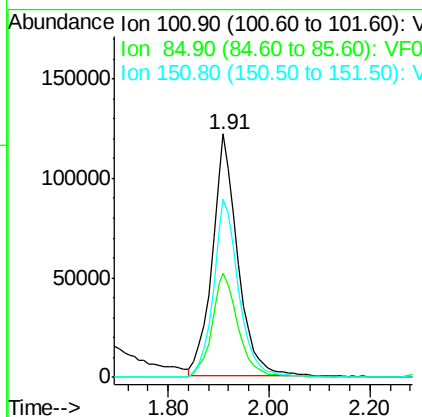
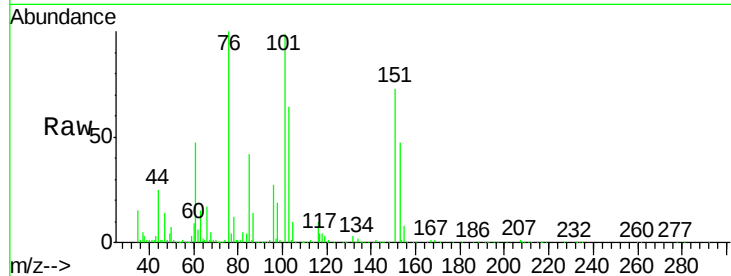
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	430354
Ion Ratio	Lower	Upper	
101	100		
85	43.6	36.5	54.7
151	73.5	59.2	88.8

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#10

Methyl Iodide

Concen: 93.618 ug/l

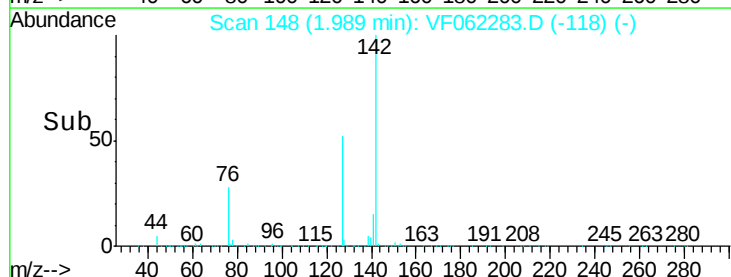
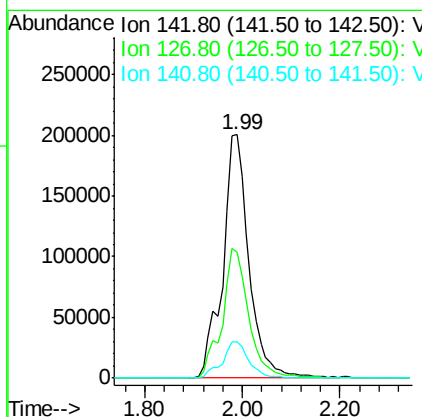
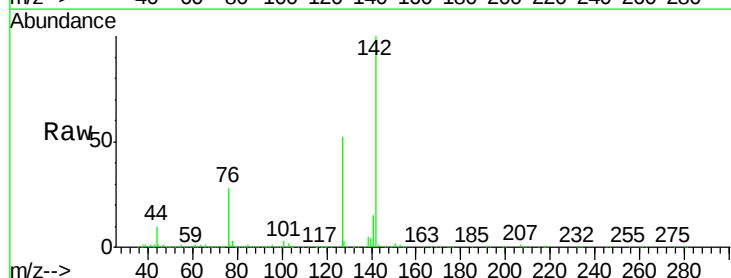
RT: 1.99 min Scan# 148

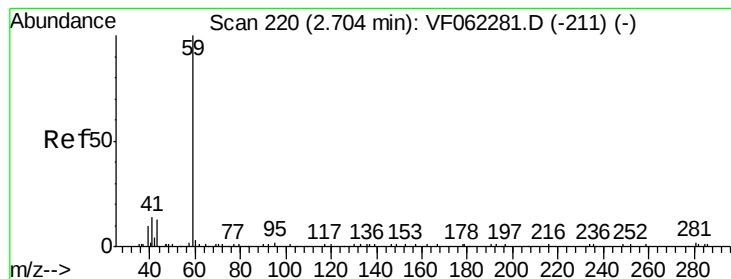
Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion:	142	Resp:	748865
Ion Ratio	Lower	Upper	
142	100		
127	53.9	43.0	64.4
141	15.4	12.3	18.5





#11

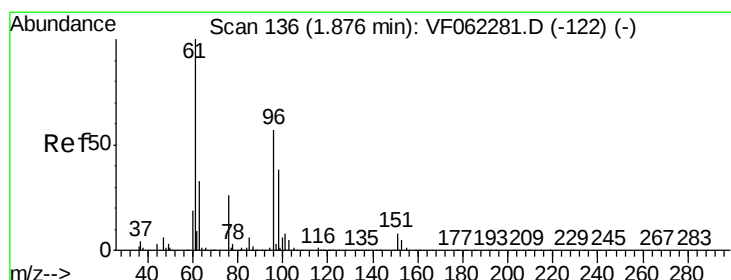
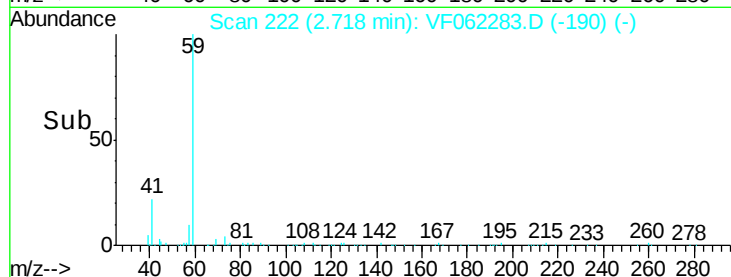
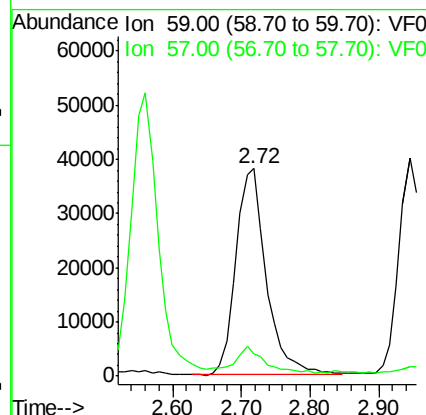
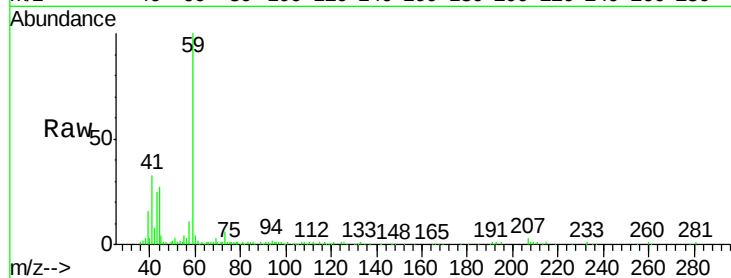
Tert butyl alcohol
 Concen: 502.129 ug/l
 RT: 2.72 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.8	13.2

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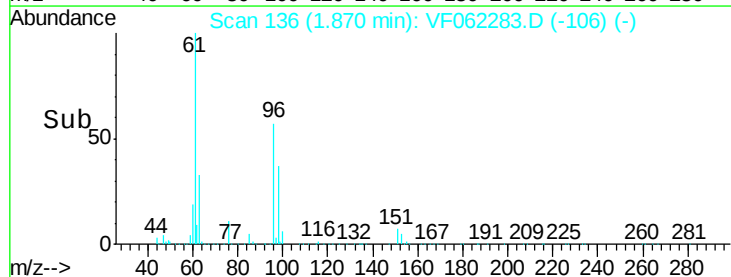
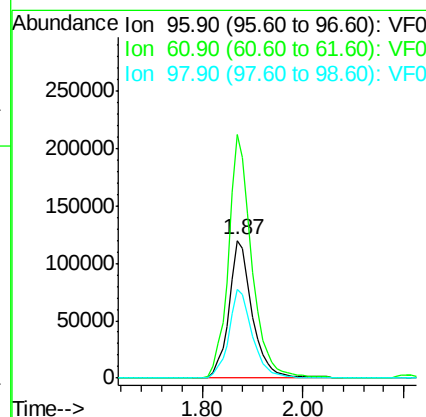
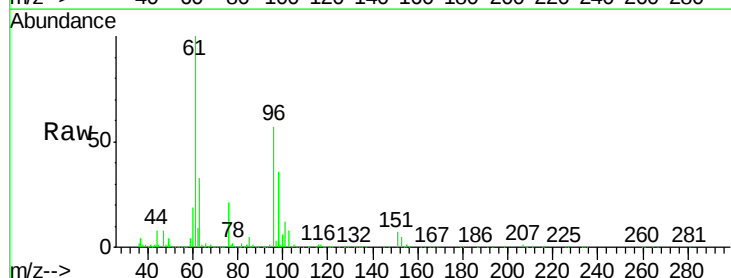
MMDadoda
 4/26/2019 9:21:02 AM

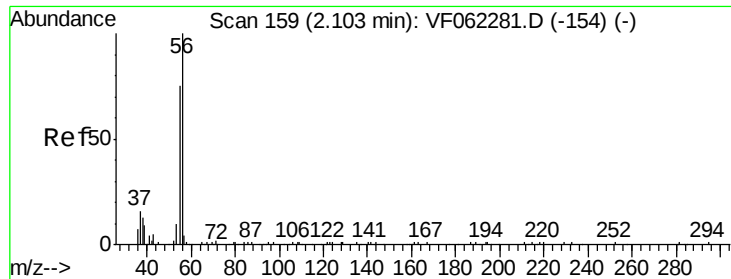


#12

1,1-Dichloroethene
 Concen: 89.464 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.3	141.1	211.7
98	64.2	53.4	80.0





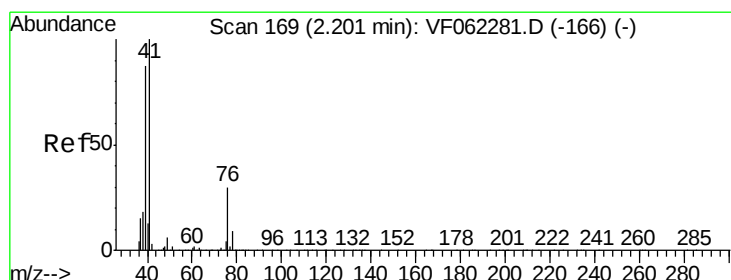
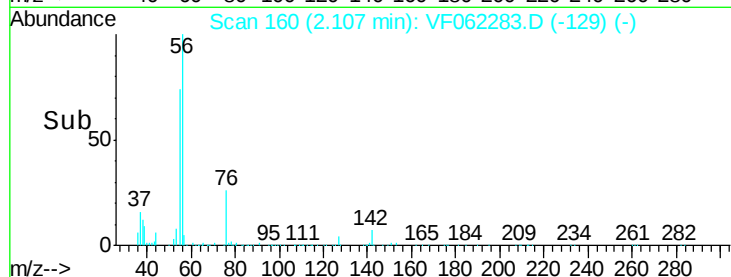
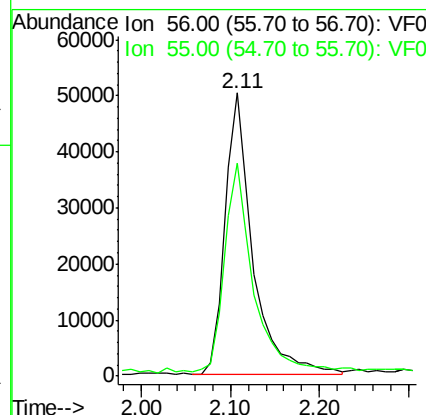
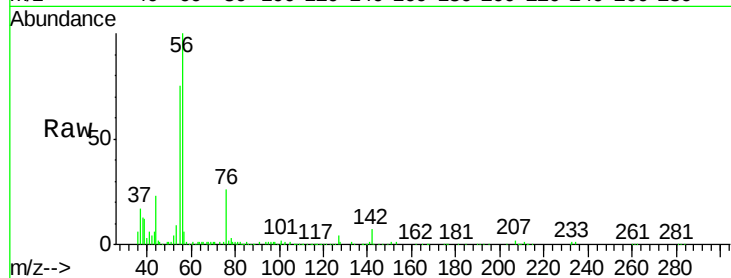
#13
Acrolein
Concen: 713.228 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.5	62.3	93.5

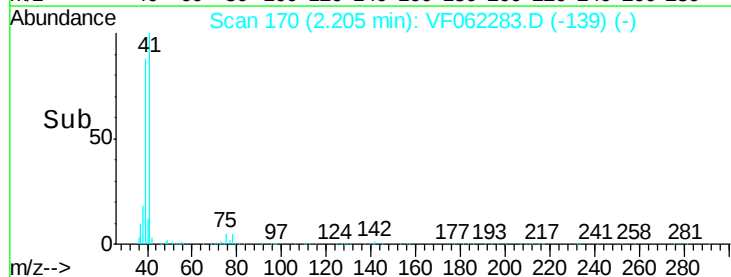
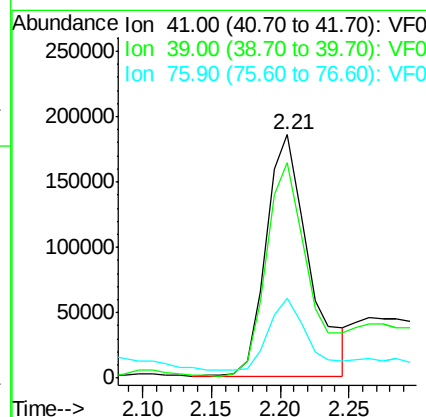
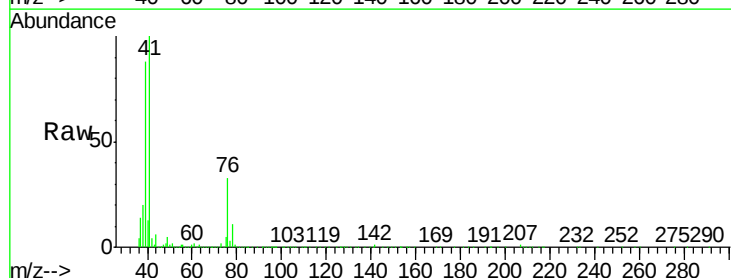
Manual Integrations
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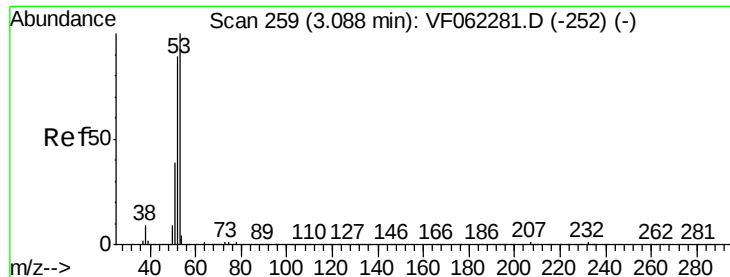
MMDadoda
4/26/2019 9:21:02 AM



#14
Allyl chloride
Concen: 62.793 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
41	100		
39	88.6	50.3	75.5#
76	26.9	14.8	22.2#





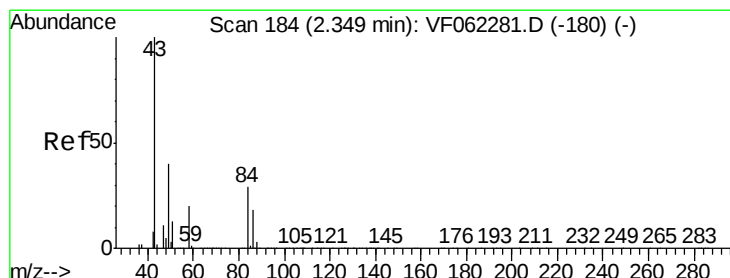
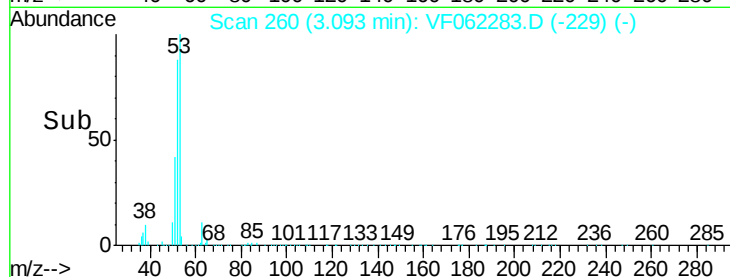
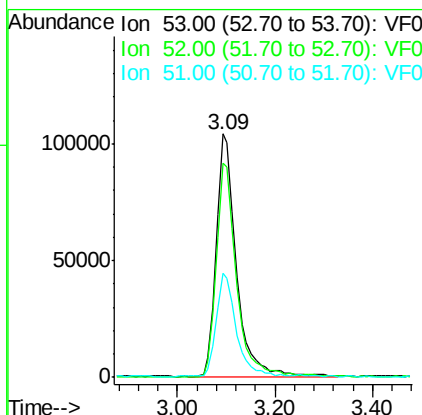
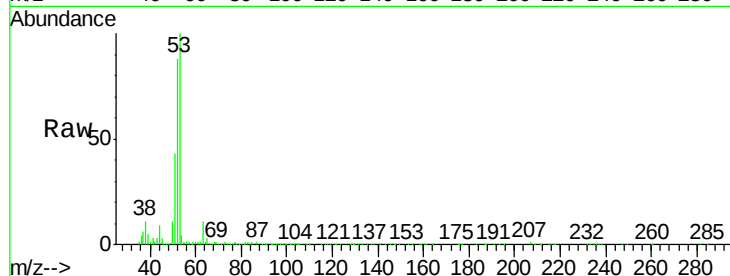
#15
 Acrylonitrile
 Concen: 449.569 ug/l
 RT: 3.09 min Scan# 260
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:	53	Resp:	300177
Ion	Ratio	Lower	Upper
53	100		
52	87.8	70.6	105.8
51	42.5	32.6	48.8

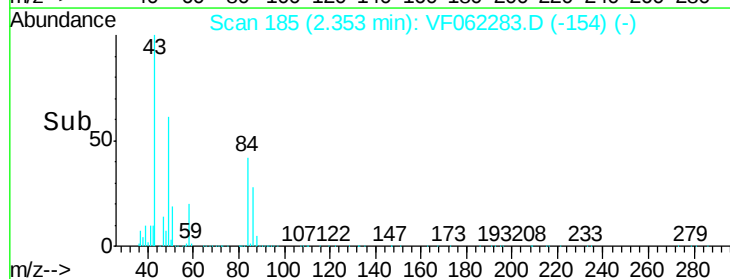
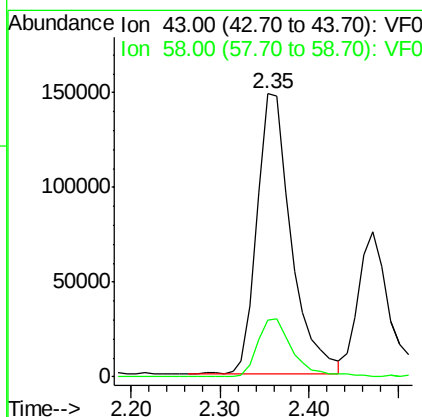
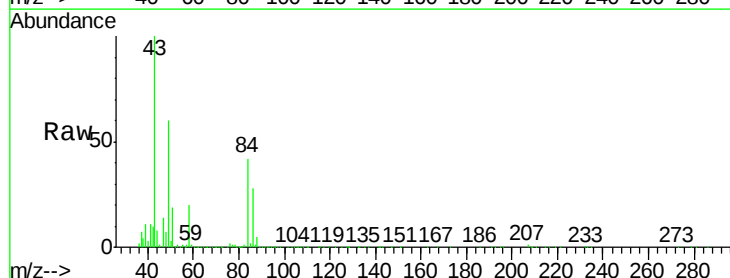
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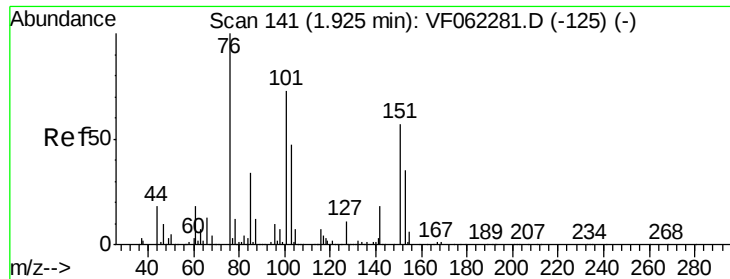
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 4/26/2019 9:21:02 AM



#16
 Acetone
 Concen: 454.021 ug/l
 RT: 2.35 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion:	43	Resp:	393320
Ion	Ratio	Lower	Upper
43	100		
58	20.4	16.4	24.6





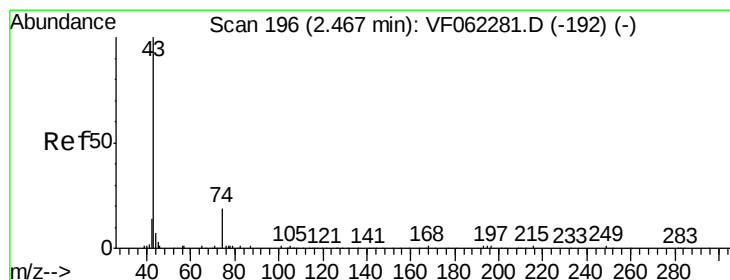
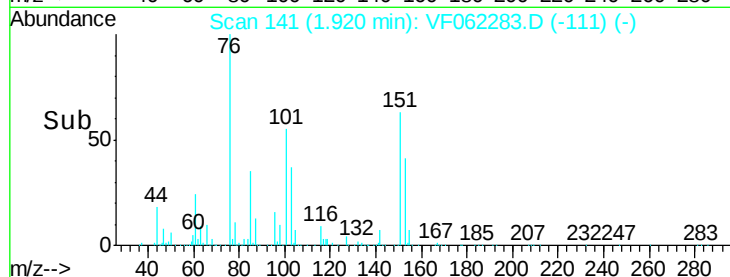
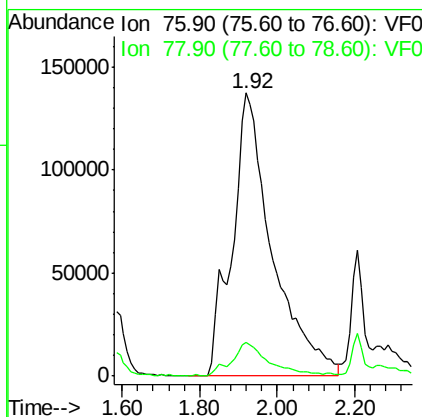
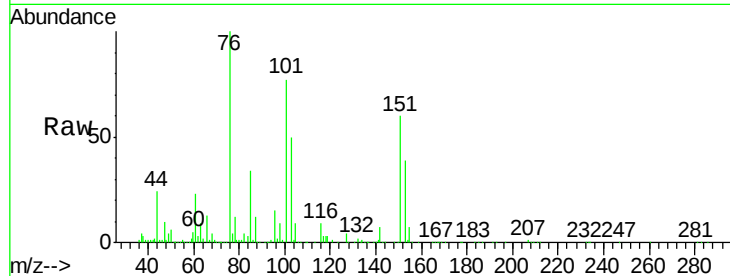
#17
Carbon Disulfide
Concen: 89.913 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 983137
Ion Ratio Lower Upper
76 100
78 11.7 9.8 14.8

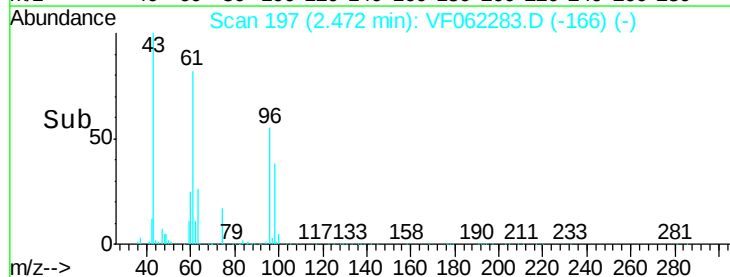
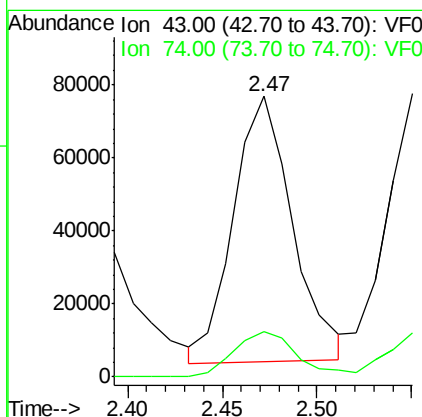
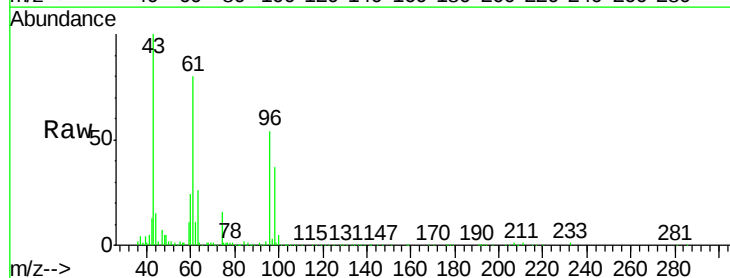
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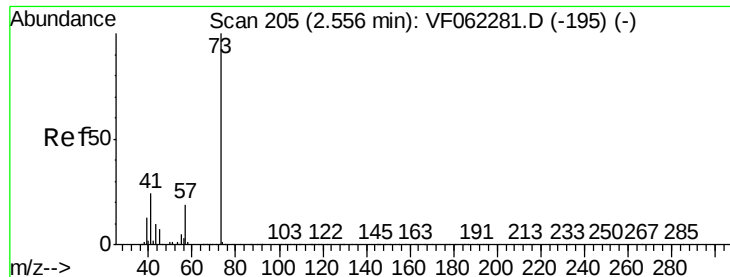
MMDadoda
4/26/2019 9:21:02 AM



#18
Methyl Acetate
Concen: 73.363 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion: 43 Resp: 157580
Ion Ratio Lower Upper
43 100
74 18.6 14.4 21.6





#19

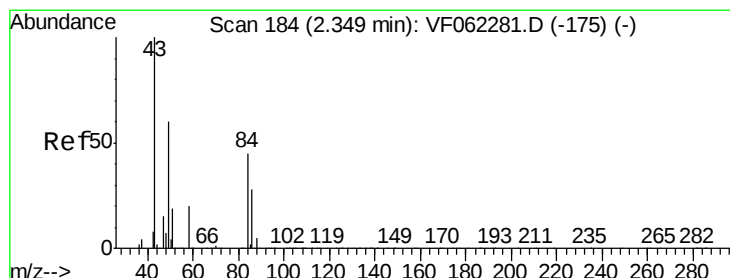
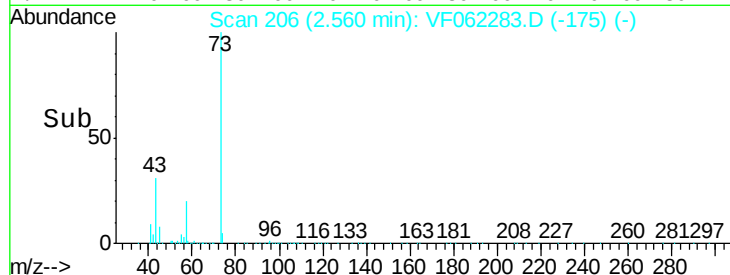
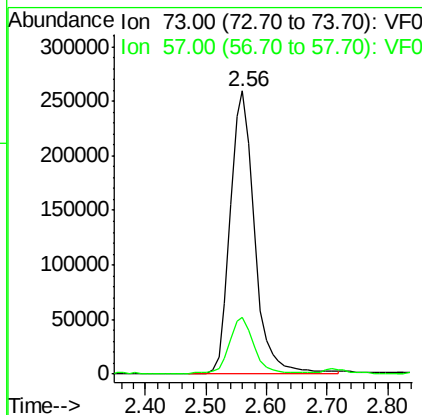
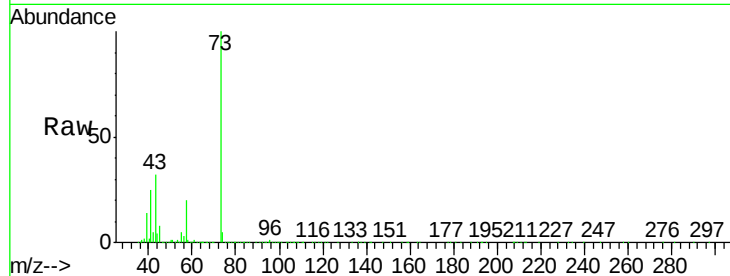
Methvl tert-butvl Ether
 Concen: 93.745 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	15.5	23.3

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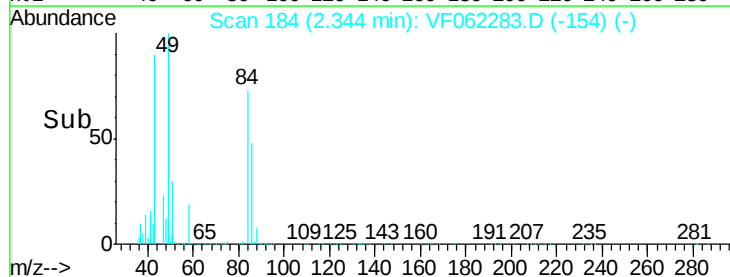
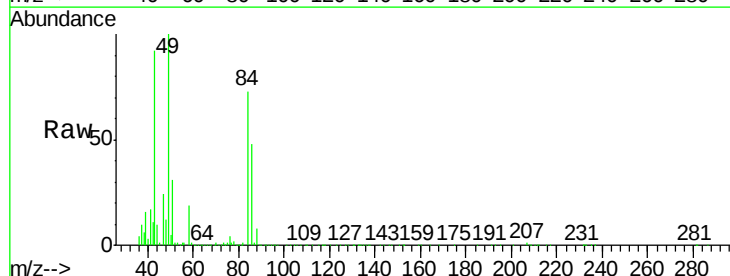
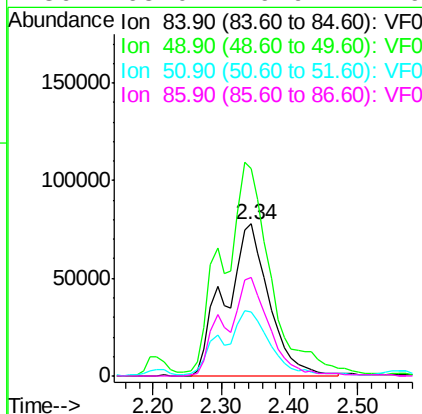
MMDadoda
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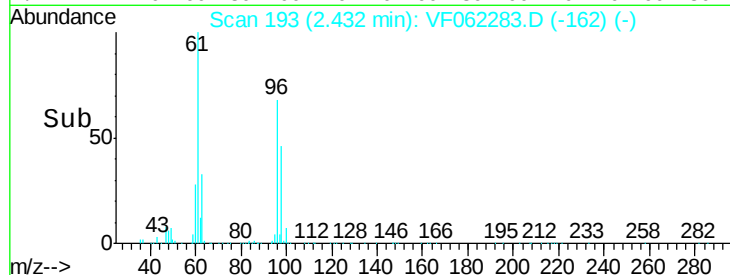
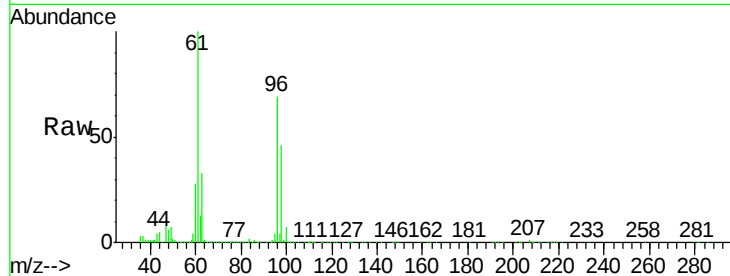
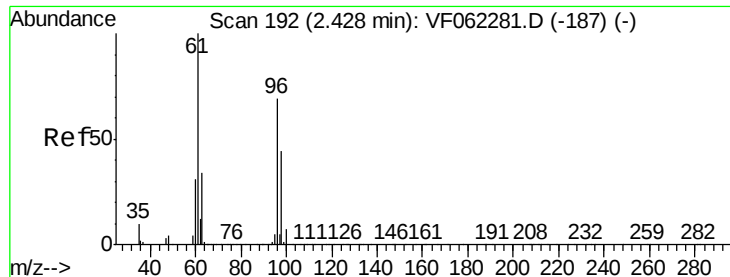


#20

Methylene Chloride
 Concen: 63.405 ug/l m
 RT: 2.34 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.7	112.1	168.1
51	42.1	35.9	53.9
86	65.0	49.9	74.9





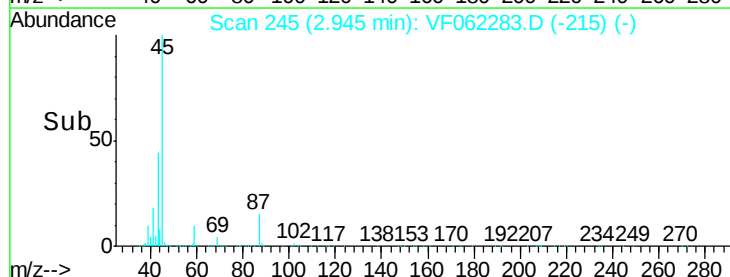
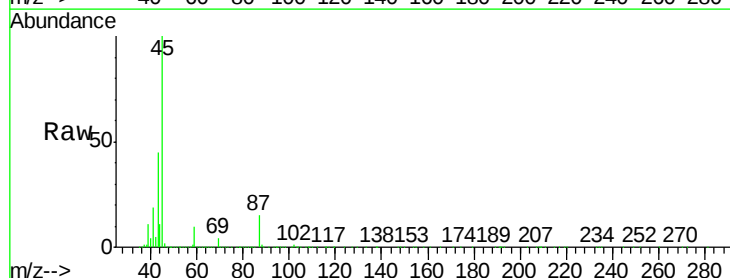
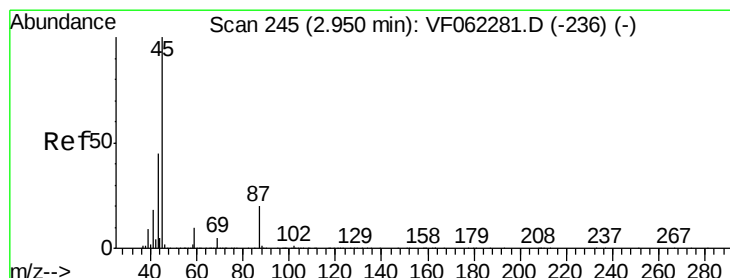
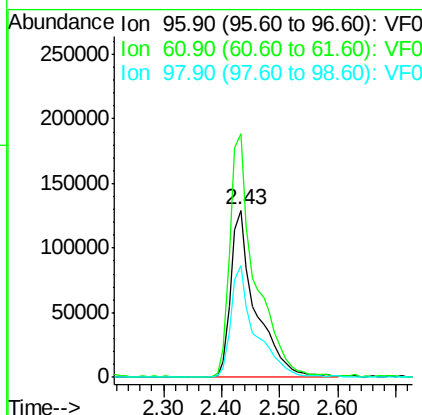
#21
trans-1,2-Dichloroethene
Concen: 94.154 ug/l
RT: 2.43 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	116.2	174.2
98	66.9	51.4	77.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

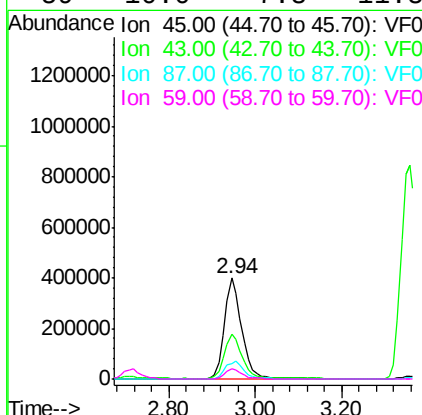
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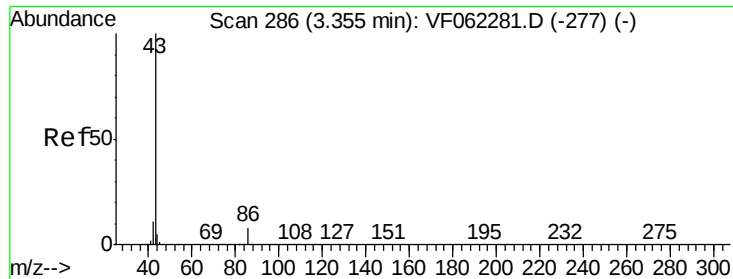
MMDadoda
4/26/2019 9:21:02 AM



#22
Diisopropyl ether
Concen: 91.719 ug/l
RT: 2.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	44.7	36.2	54.2
87	15.4	15.8	23.6
59	10.0	7.8	11.8





#23

Vinyl Acetate

Concen: 462.155 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2422874

Ion Ratio Lower Upper

43 100

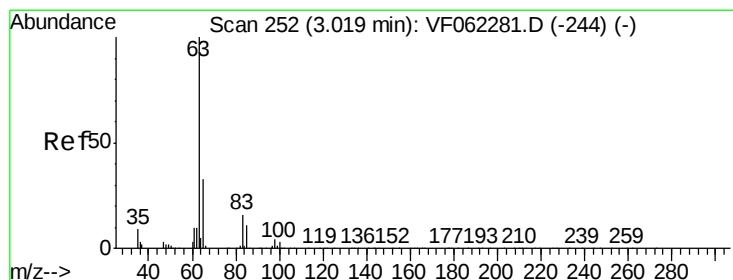
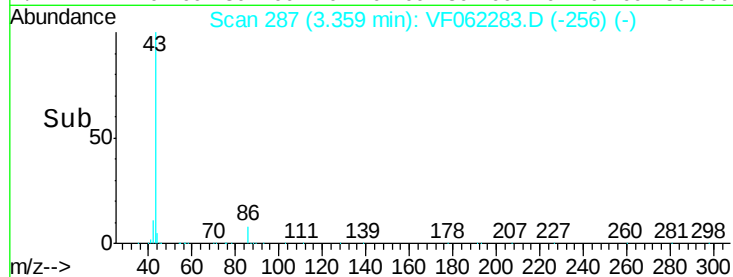
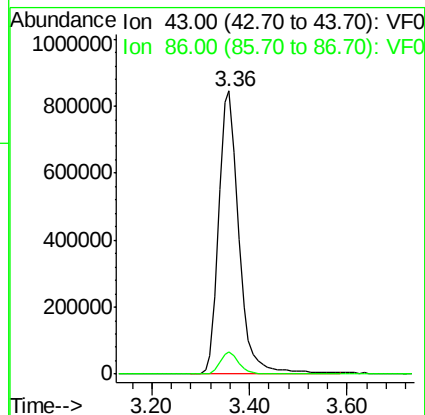
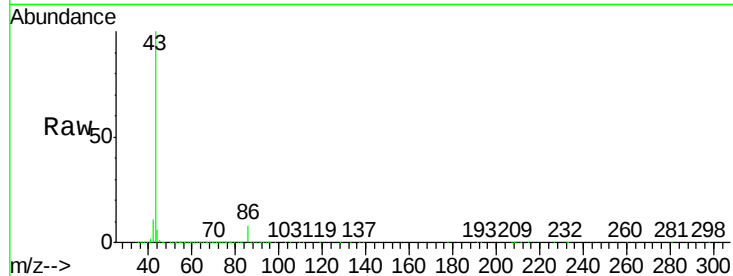
86 8.0 6.0 9.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 95.301 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

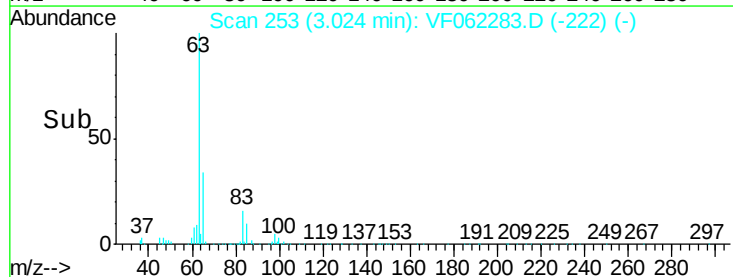
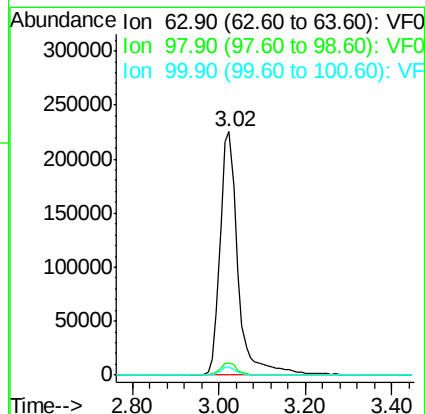
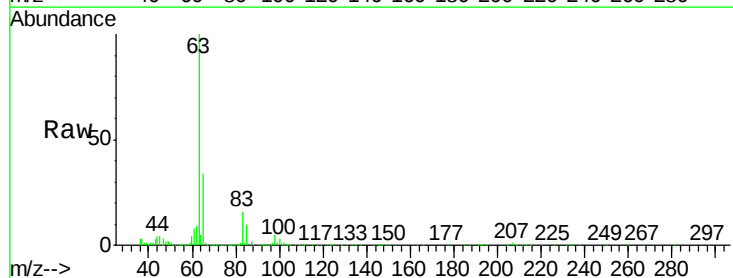
Tgt Ion: 63 Resp: 646930

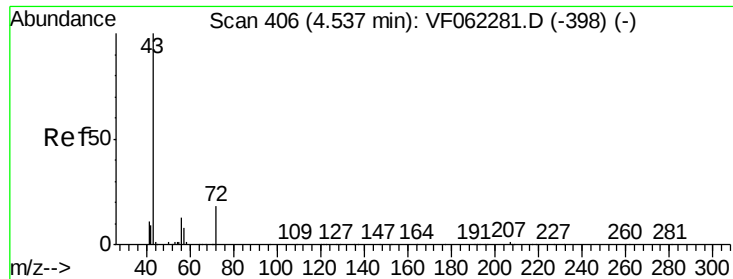
Ion Ratio Lower Upper

63 100

98 4.9 2.1 6.2

100 3.3 1.5 4.5





#25

2-Butanone

Concen: 467.479 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 641853

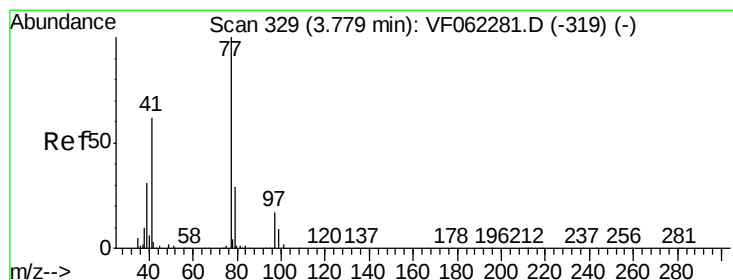
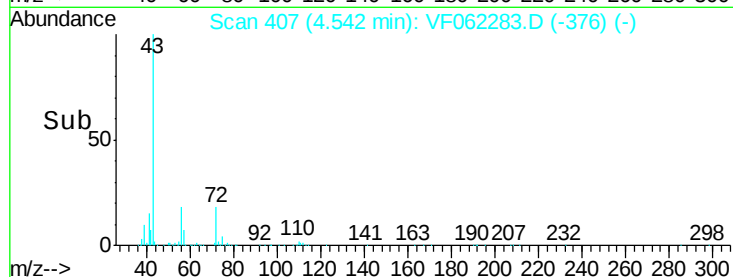
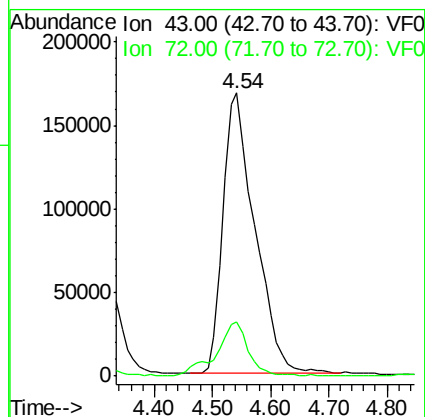
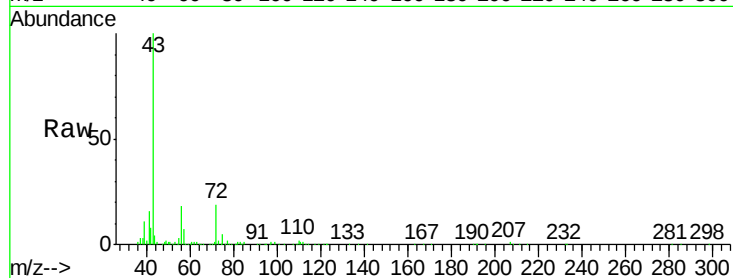
Ion Ratio Lower Upper

43 100

72 19.3 15.8 23.6

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#26

2,2-Dichloropropane

Concen: 88.348 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062283.D

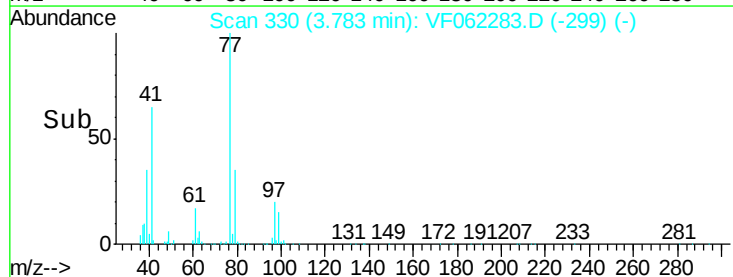
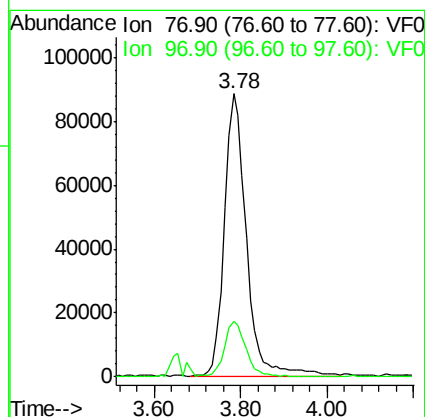
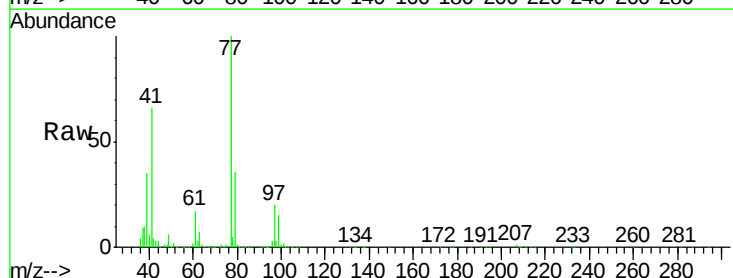
Acq: 24 Apr 2019 16:08

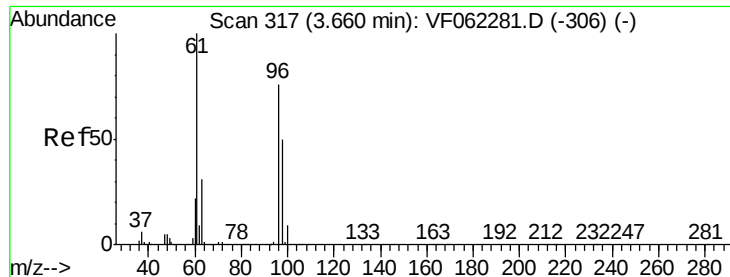
Tgt Ion: 77 Resp: 313222

Ion Ratio Lower Upper

77 100

97 19.5 10.3 30.8





#27

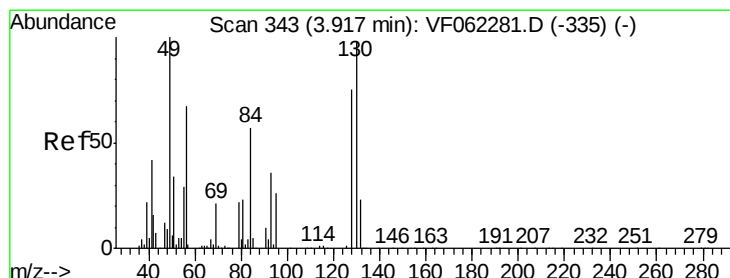
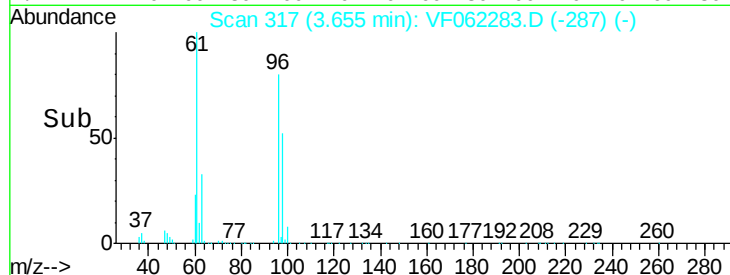
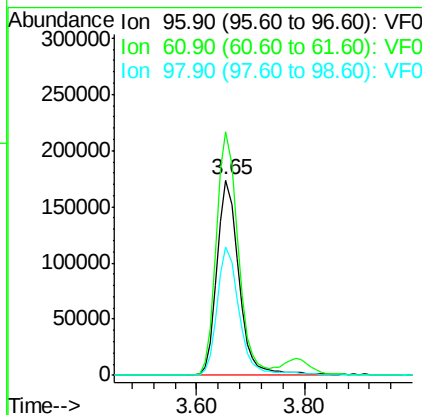
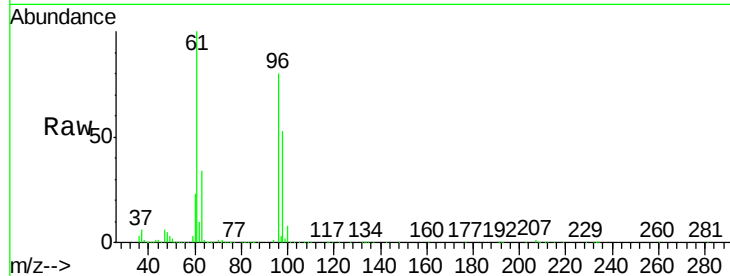
cis-1,2-Dichloroethene
 Concen: 94.687 ug/l
 RT: 3.65 min Scan# 317
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	490568		
61	123.4	0.0	257.6	
98	66.2	0.0	137.4	

Manual Integrations
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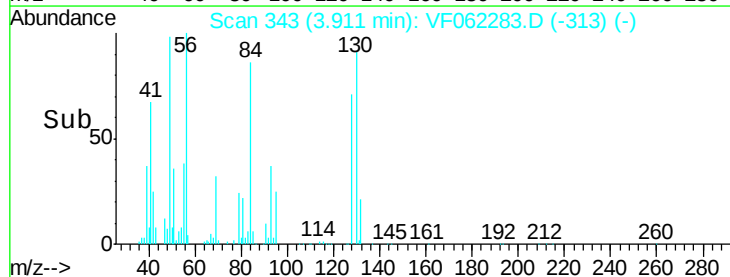
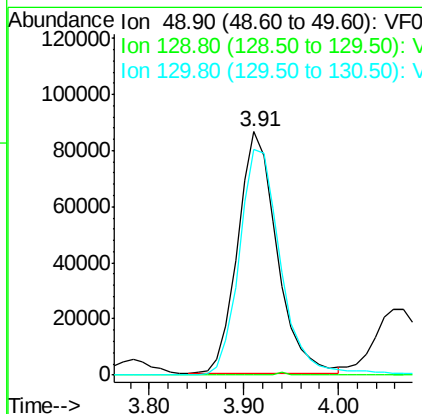
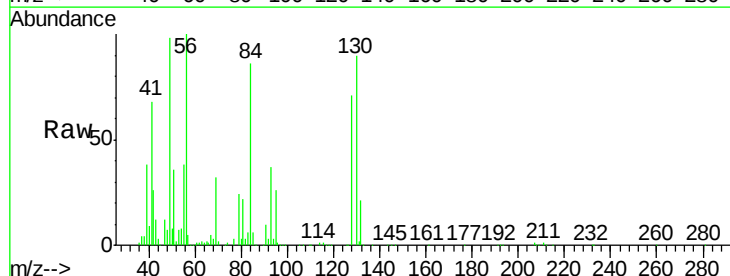
MMDadoda
 4/26/2019 9:21:02 AM

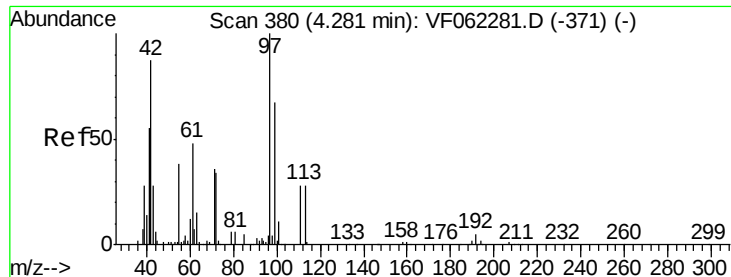


#28

Bromochloromethane
 Concen: 82.846 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	245945		
129	0.0	0.0	0.0	
130	100.6	77.0	115.4	





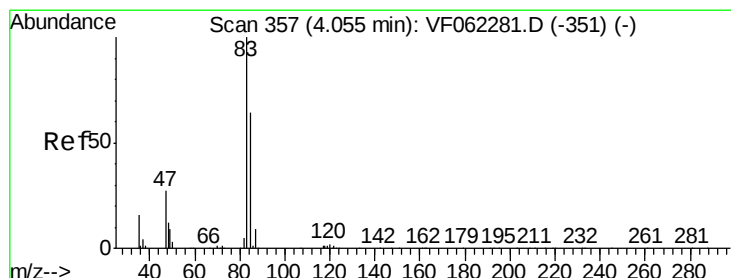
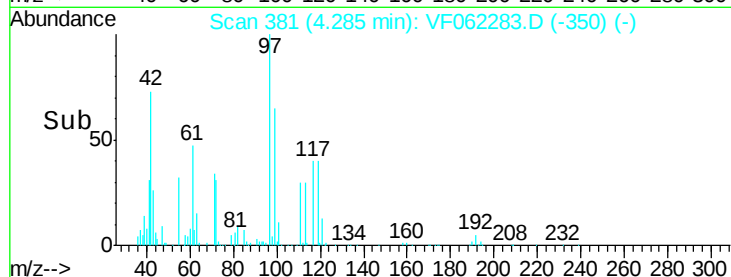
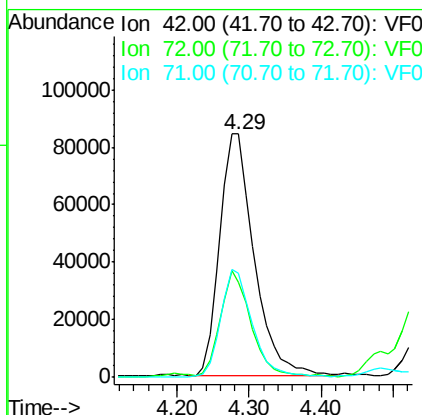
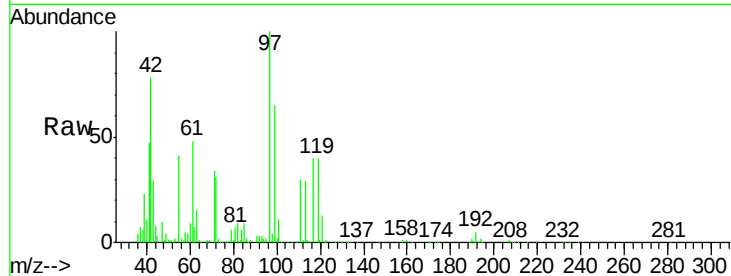
#29
Tetrahydrofuran
Concen: 469.538 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	29.3	43.9
71	40.7	31.2	46.8

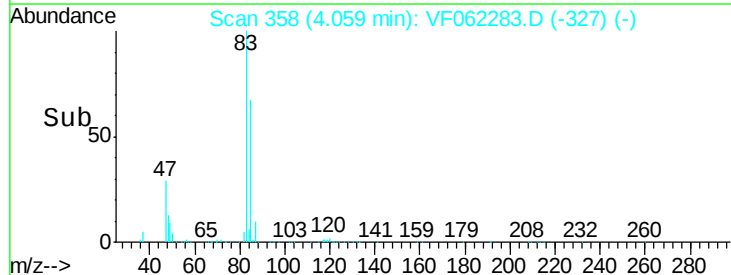
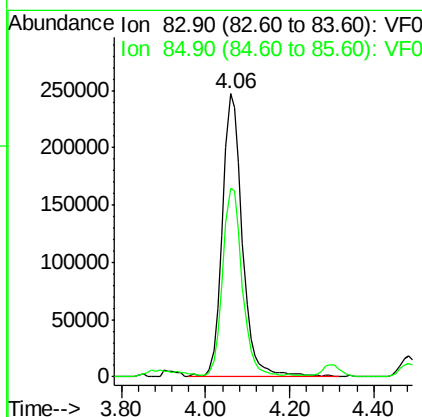
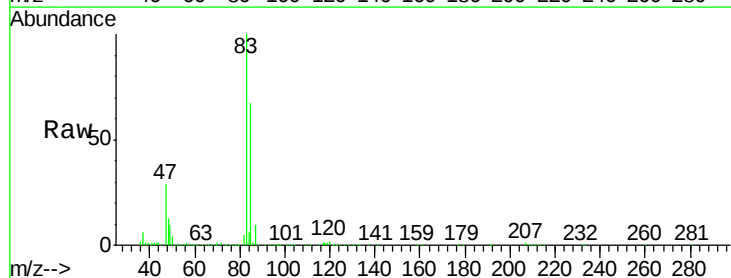
Manual Integrations
APPROVED

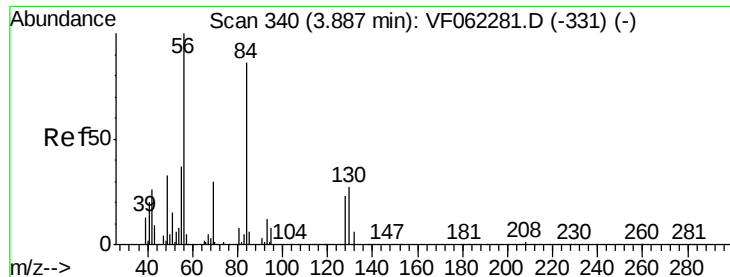
MMDadoda
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#30
Chloroform
Concen: 96.552 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.1	76.7





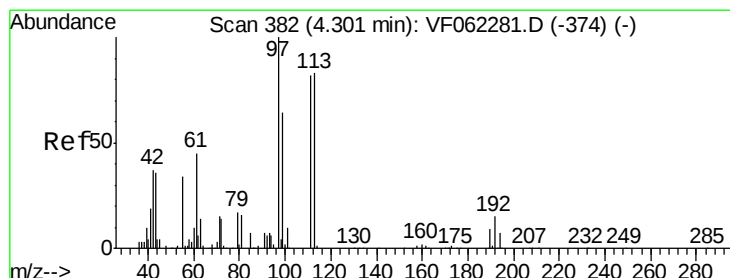
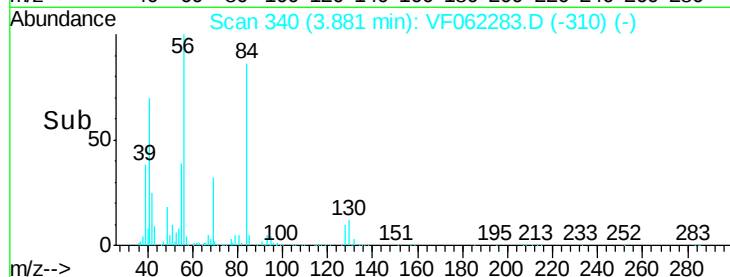
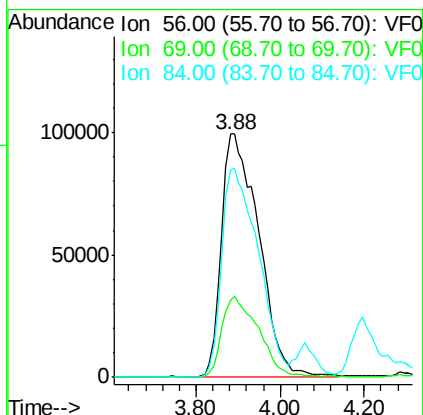
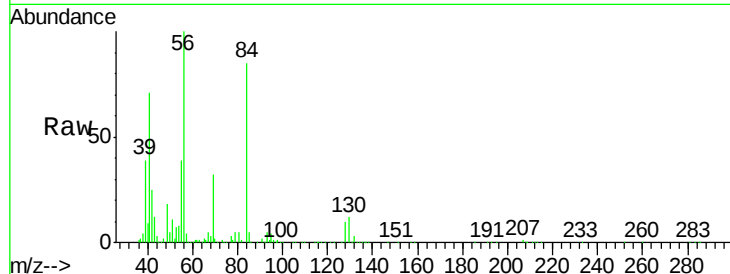
#31
Cyclohexane
Concen: 92.851 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.3	36.5
84	85.3	68.5	102.7

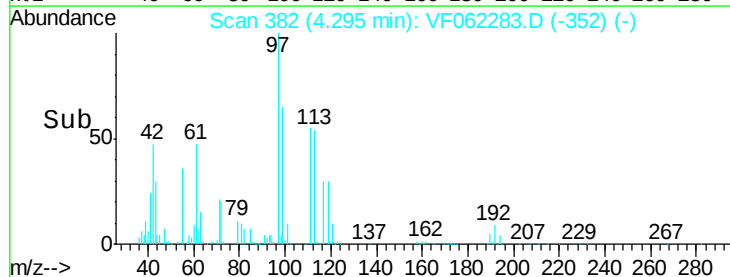
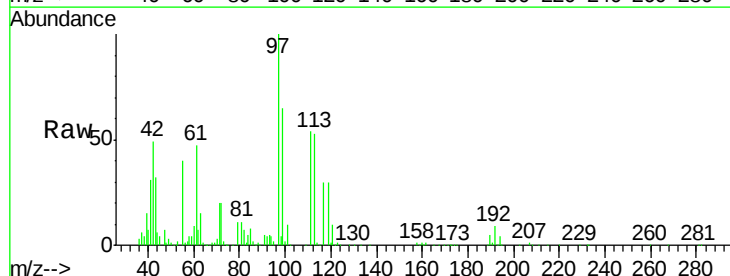
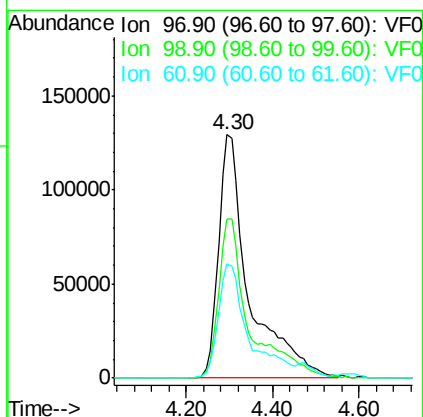
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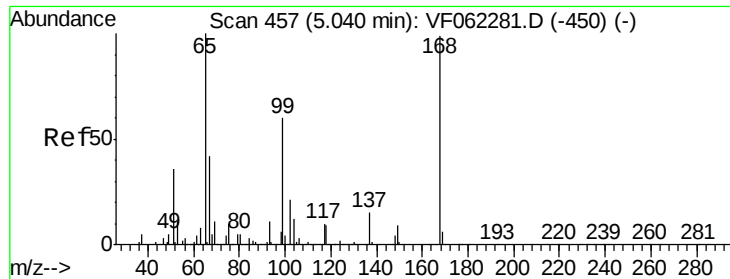
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#32
1,1,1-Trichloroethane
Concen: 101.207 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	41.6	62.4#
61	46.5	31.6	47.4





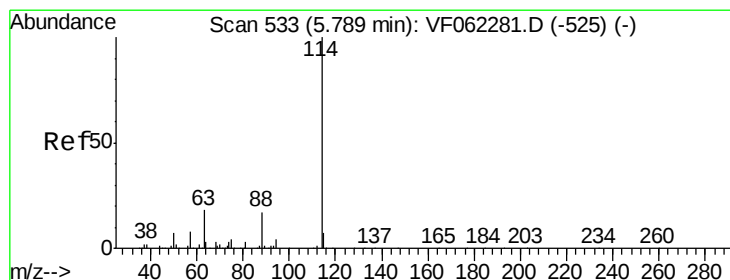
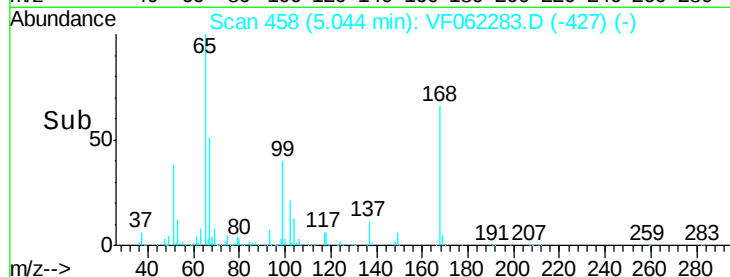
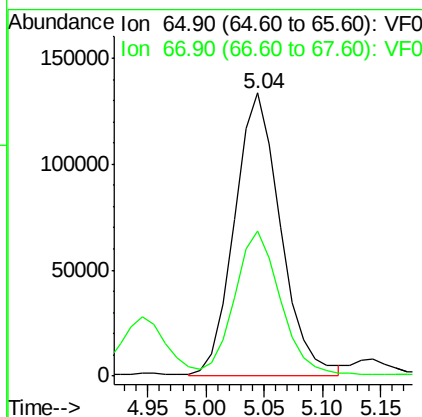
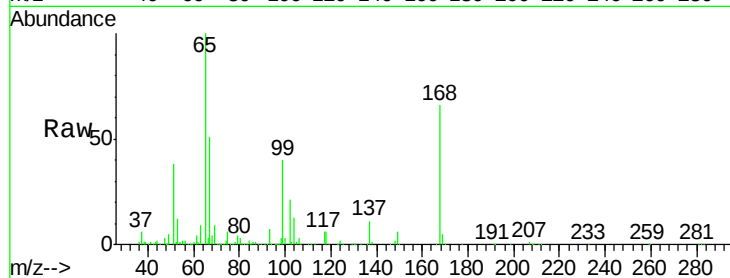
#33
 1,2-Dichloroethane-d4
 Concen: 94.323 ug/l
 RT: 5.04 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	365736		
67	51.5	0.0	98.8	

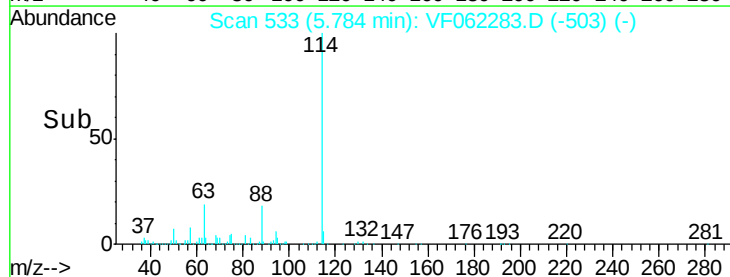
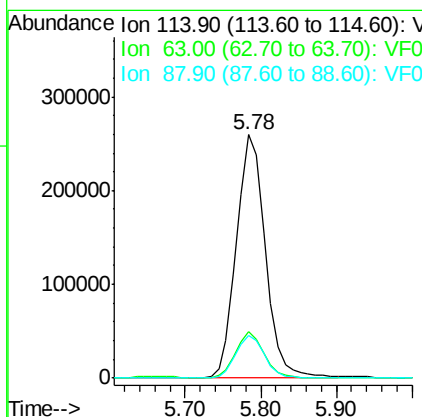
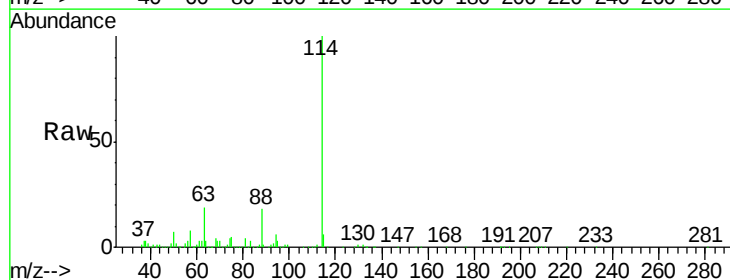
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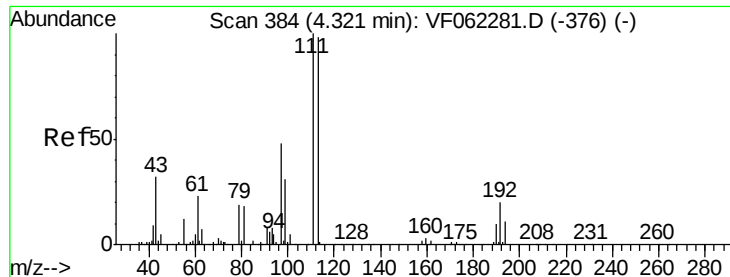
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	689101		
63	18.7	0.0	35.6	
88	17.7	0.0	34.6	





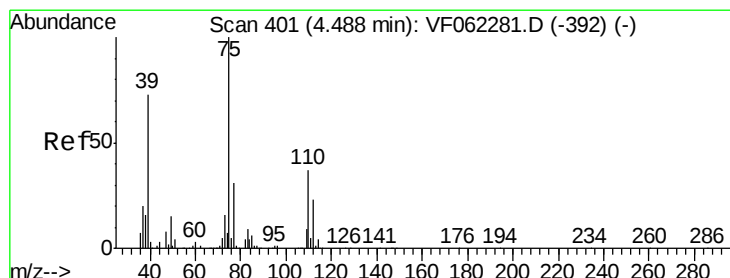
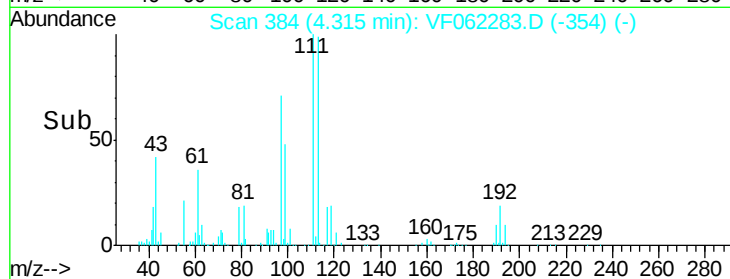
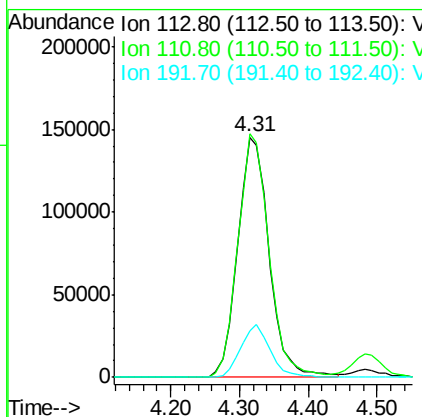
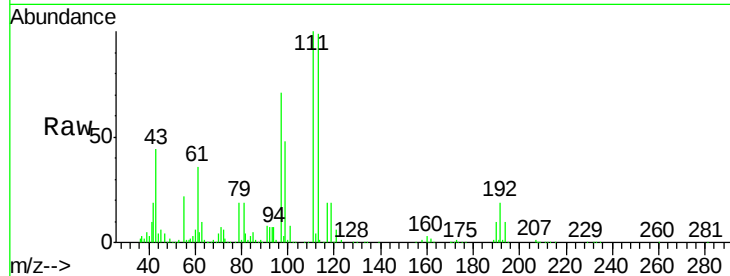
#35
 Dibromofluoromethane
 Concen: 87.802 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.4	122.2
192	20.8	17.0	25.4

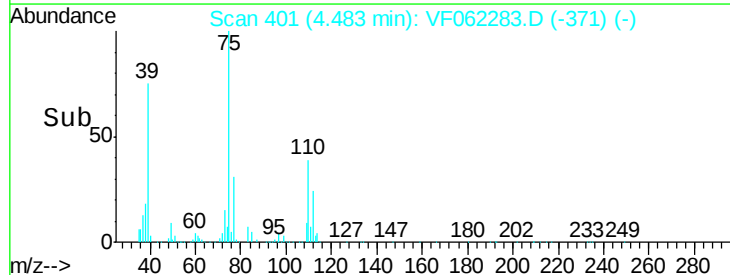
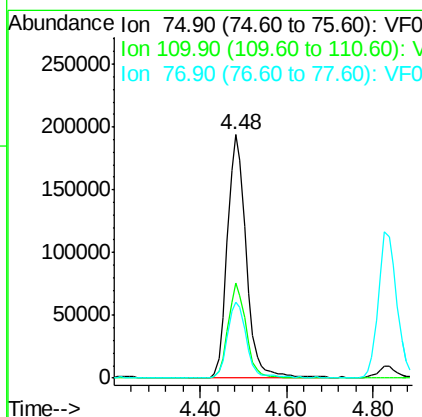
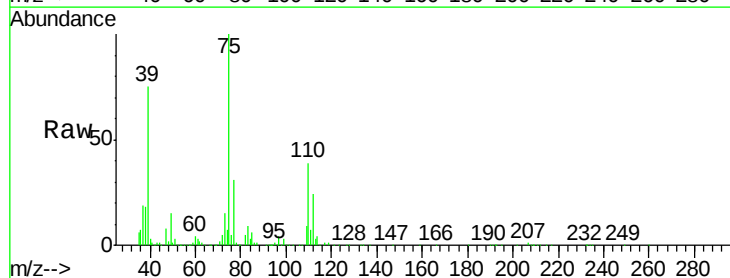
Manual Integrations
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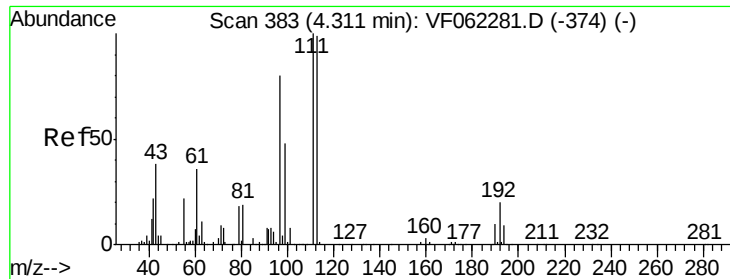
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#36
 1,1-Dichloropropene
 Concen: 90.279 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	17.9	53.8
77	31.3	24.6	36.8





#37

Ethyl Acetate

Concen: 91.067 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

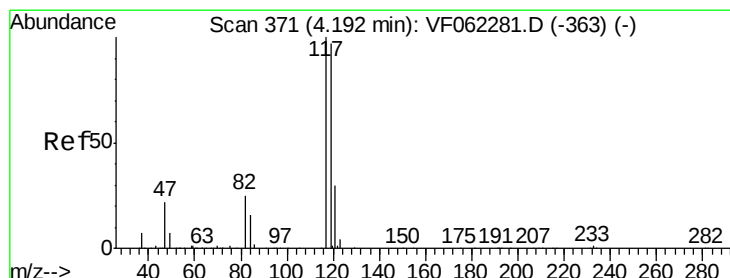
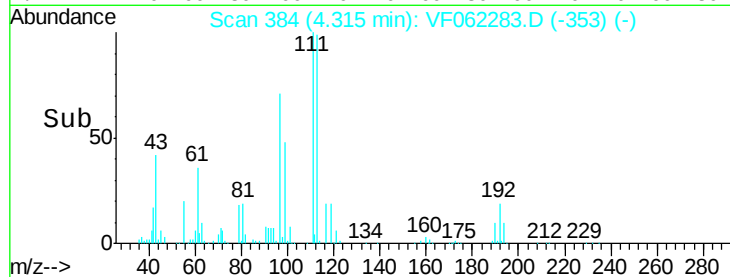
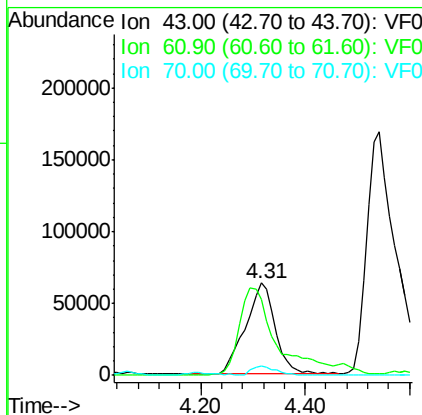
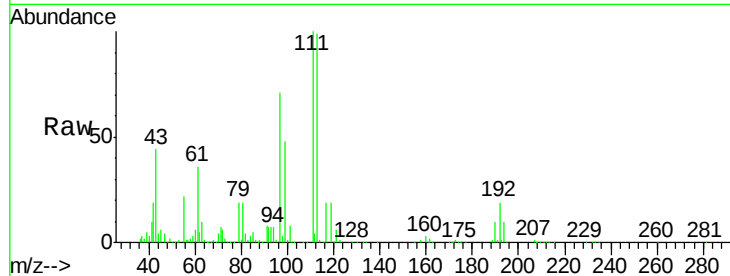
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	244723
Ion	Ratio	Lower	Upper
43	100		
61	121.1	85.8	128.6
70	8.2	7.3	10.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 90.777 ug/l m

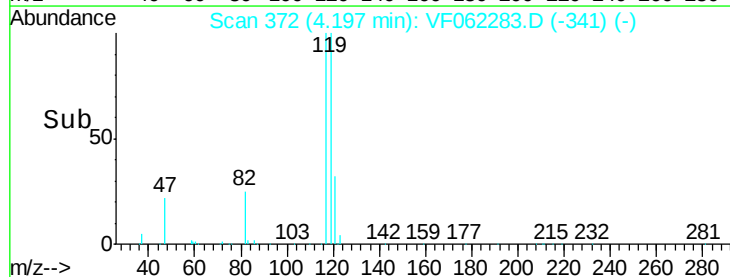
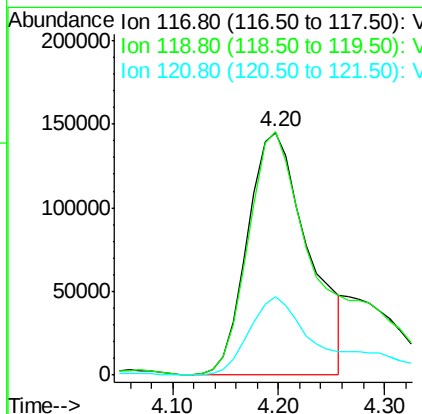
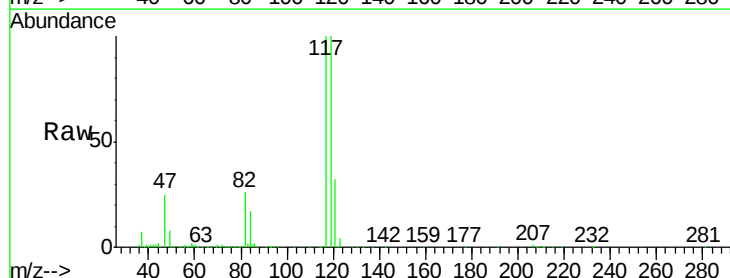
RT: 4.20 min Scan# 372

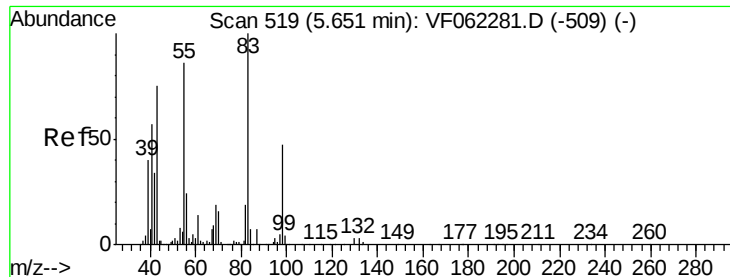
Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion:	117	Resp:	580522
Ion	Ratio	Lower	Upper
117	100		
119	100.2	77.3	115.9
121	32.2	24.3	36.5





#39

Methvlcvclohexane

Concen: 87.801 ug/l

RT: 5.65 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

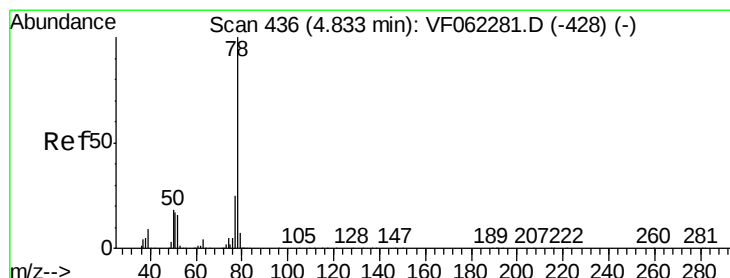
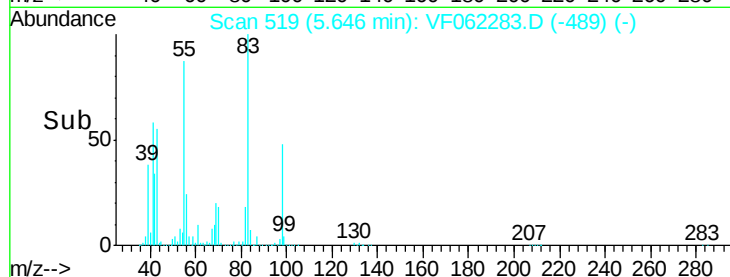
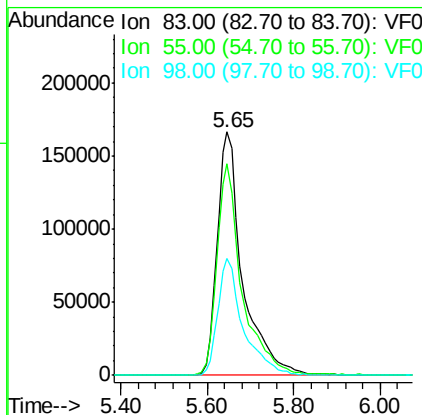
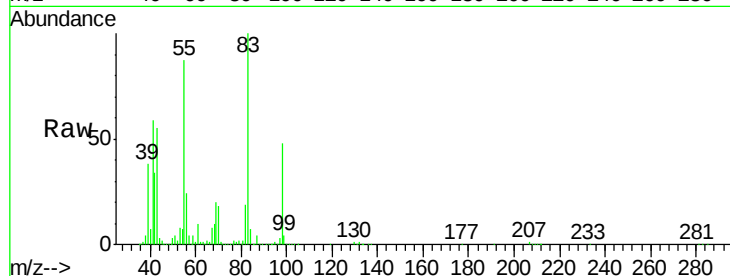
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	677194
Ion	Ratio	Lower	Upper
83	100		
55	87.0	68.7	103.1
98	48.3	37.4	56.2

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#40

Benzene

Concen: 90.357 ug/l

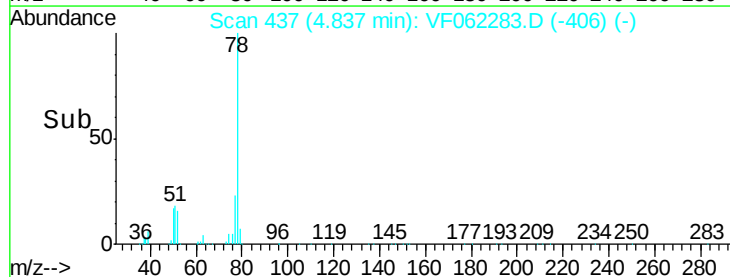
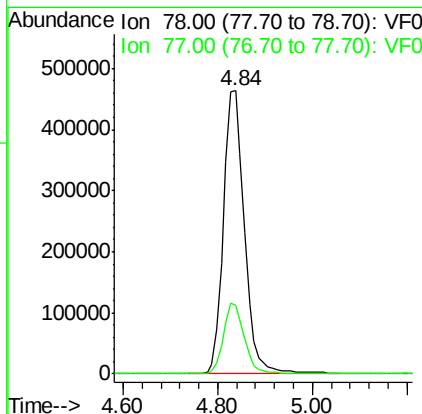
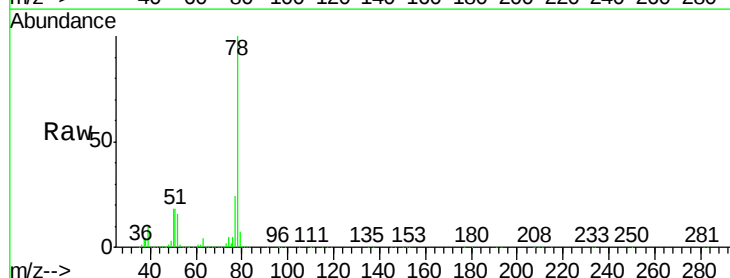
RT: 4.84 min Scan# 437

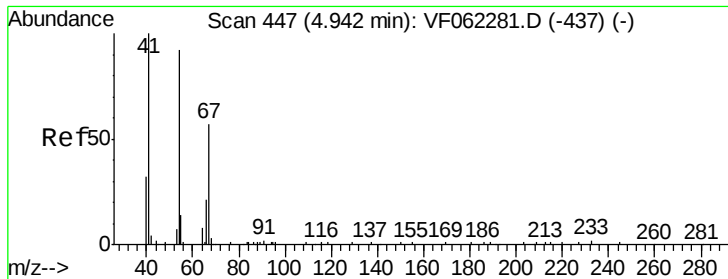
Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion:	78	Resp:	1426399
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.7	29.5





#41

Methacrylonitrile

Concen: 92.564 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

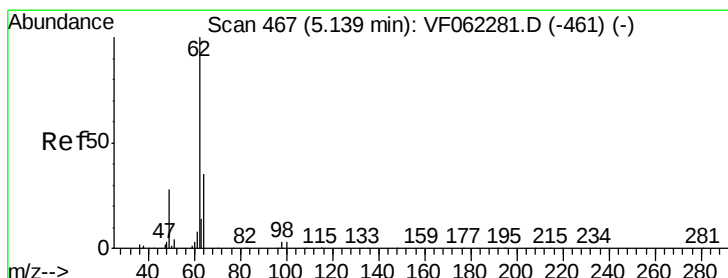
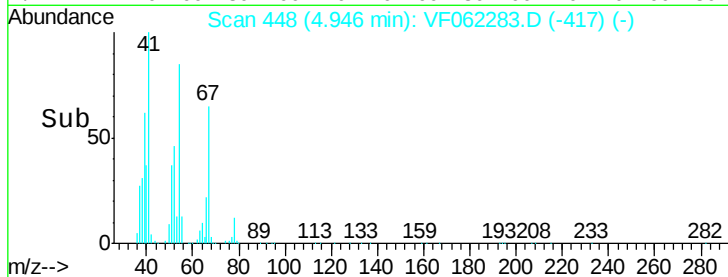
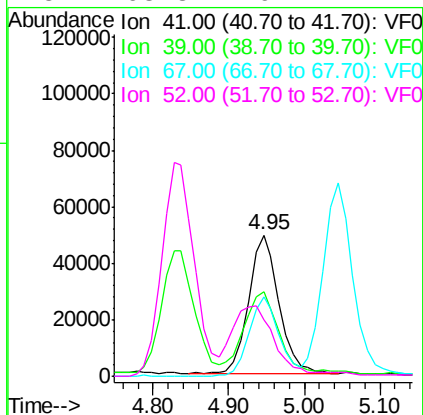
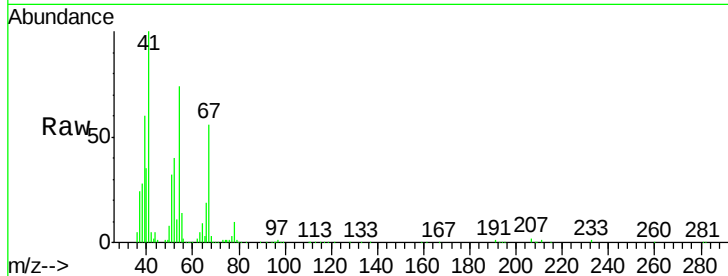
ClientSampleId :

VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		138941		
39	70.5	47.3	70.9		
67	56.1	41.3	61.9		
52	63.3	49.4	74.2		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 97.667 ug/l

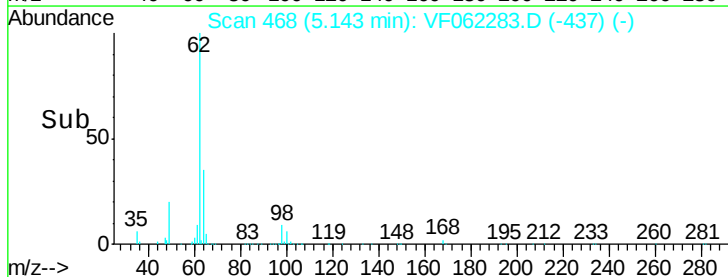
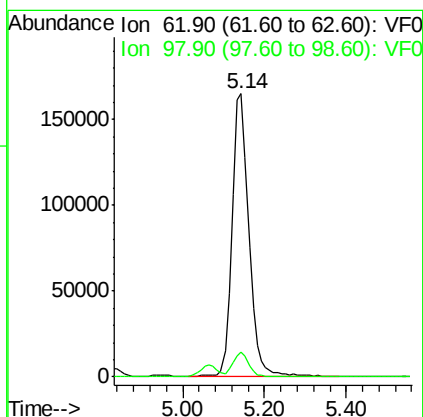
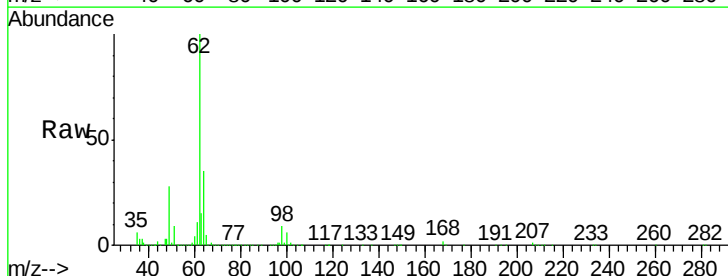
RT: 5.14 min Scan# 468

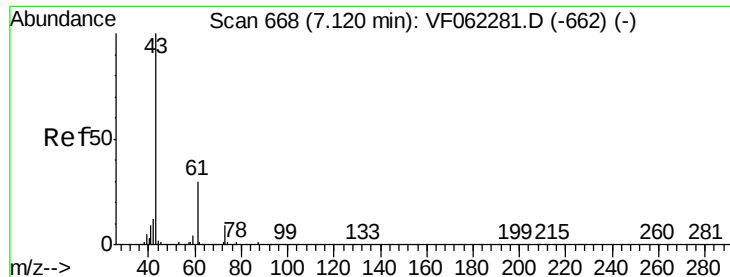
Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		473474		
98	8.2	0.0	16.8		





#43

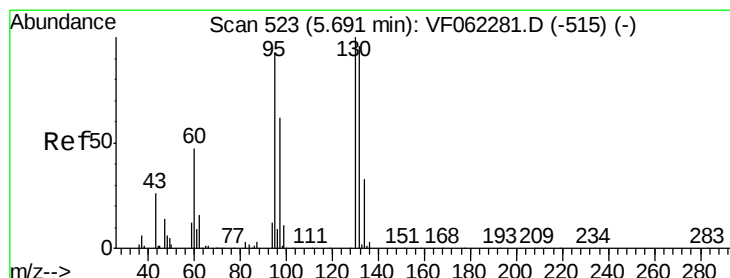
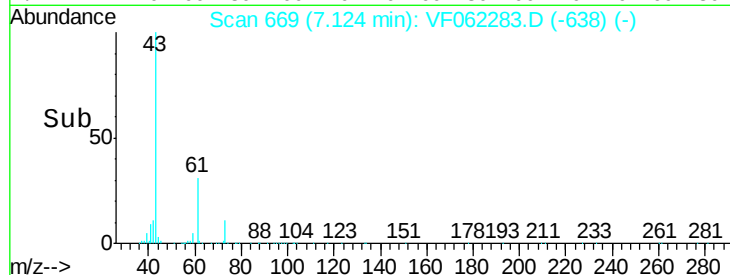
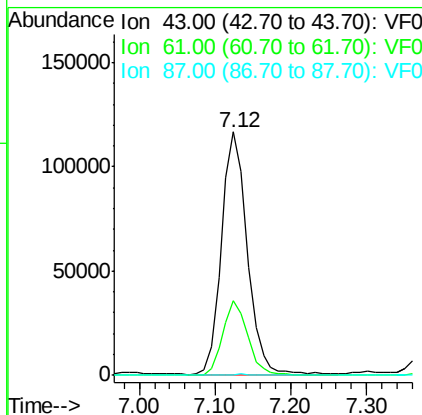
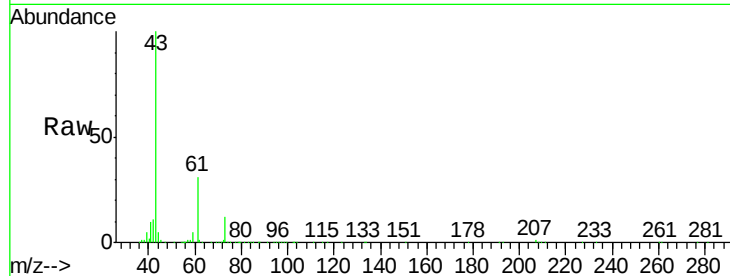
Isopropyl Acetate
 Concen: 97.210 ug/l
 RT: 7.12 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.8	35.6
87	0.3	0.5	0.7#

Manual Integrations
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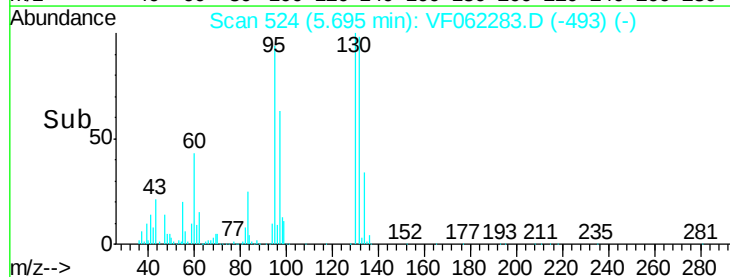
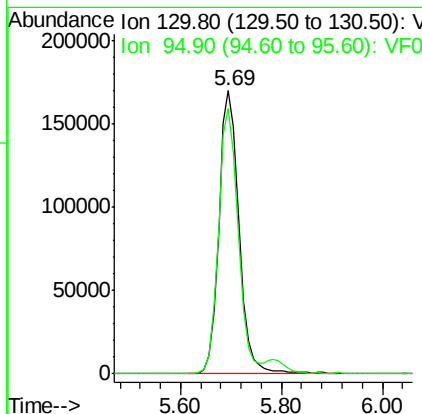
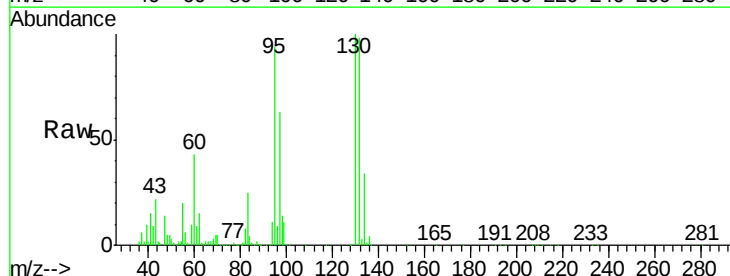
MMDadoda
 4/26/2019 9:21:02 AM

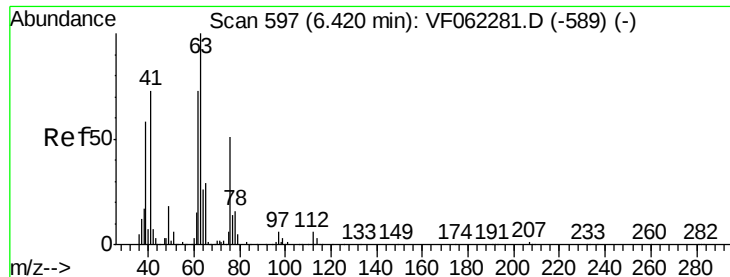


#44

Trichloroethene
 Concen: 88.838 ug/l
 RT: 5.69 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	186.4





#45

1,2-Dichloropropane

Concen: 91.624 ug/l

RT: 6.42 min Scan# 598

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 318610

Ion Ratio Lower Upper

63 100

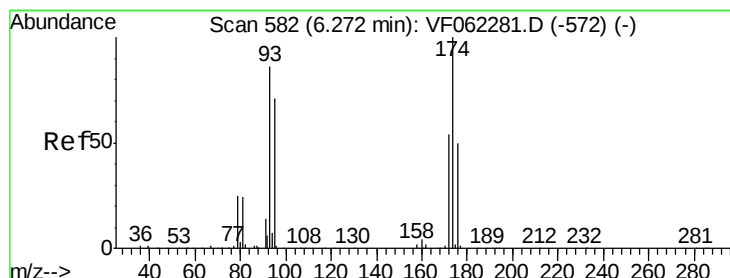
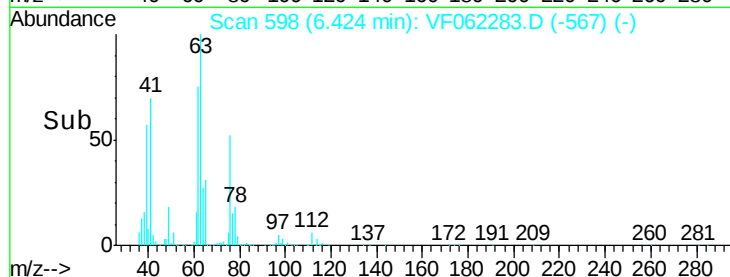
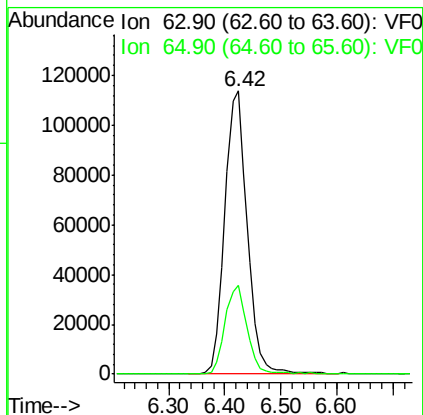
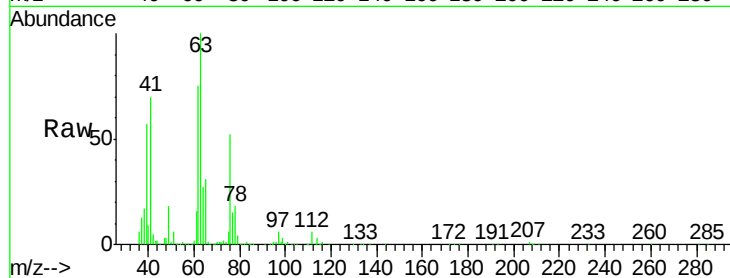
65 31.3 23.5 35.3

Manual Integrations

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4/26/2019 9:21:02 AM



#46

Dibromomethane

Concen: 96.109 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

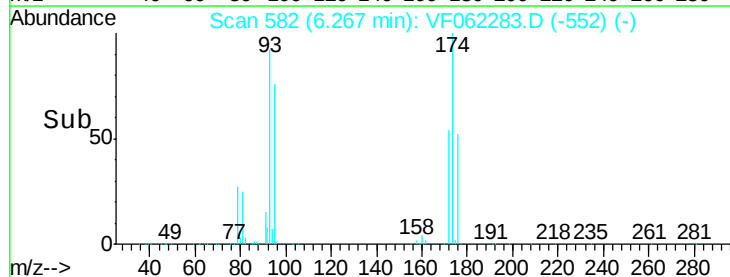
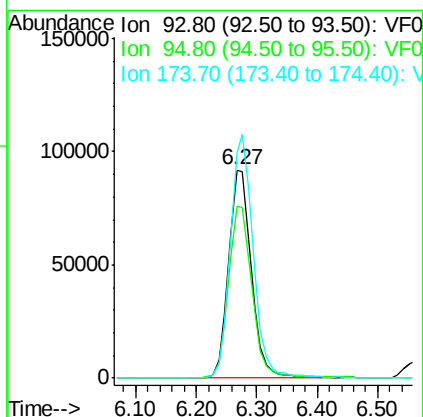
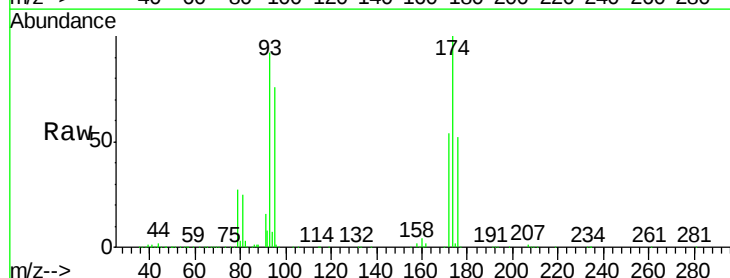
Tgt Ion: 93 Resp: 242094

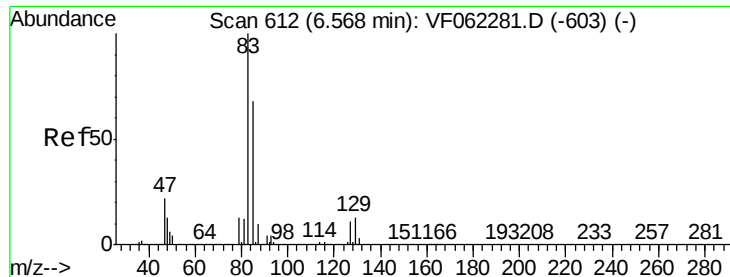
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 117.0 94.9 142.3





#47

Bromodichloromethane

Concen: 93.087 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

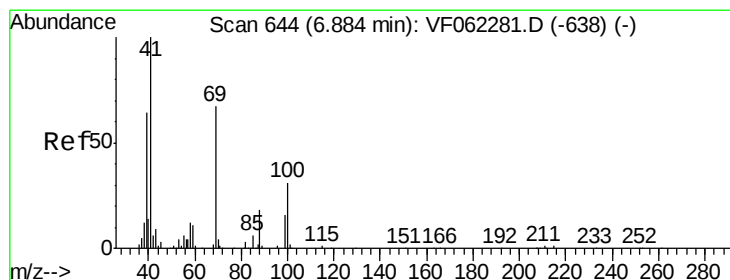
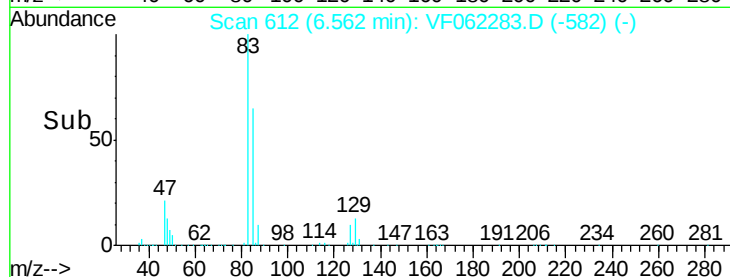
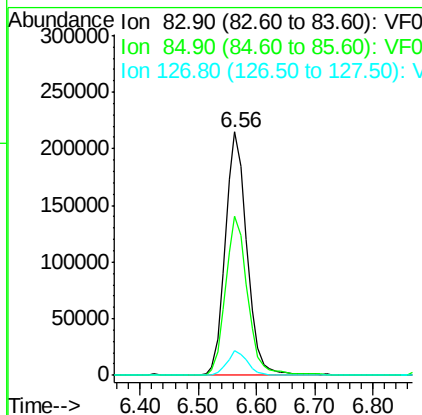
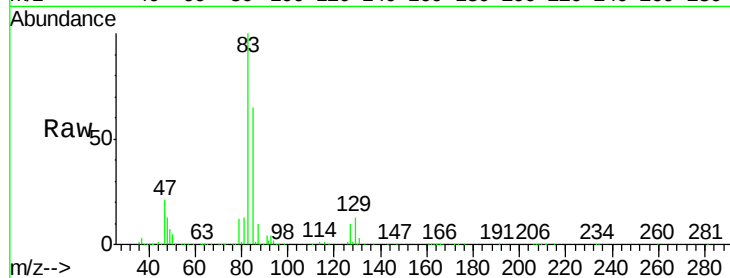
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	552022
Ion Ratio	Lower	Upper	
83	100		
85	65.2	54.6	81.8
127	10.4	8.7	13.1

Manual Integrations
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4/26/2019 9:21:02 AM



#48

Methyl methacrylate

Concen: 94.180 ug/l

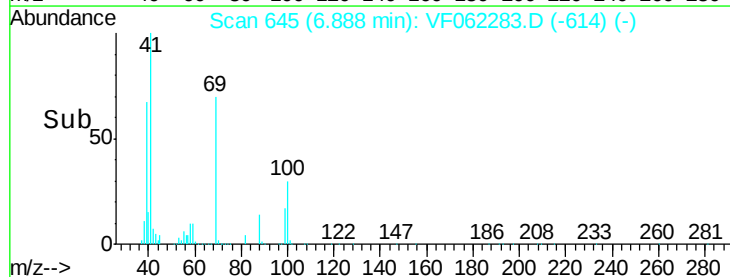
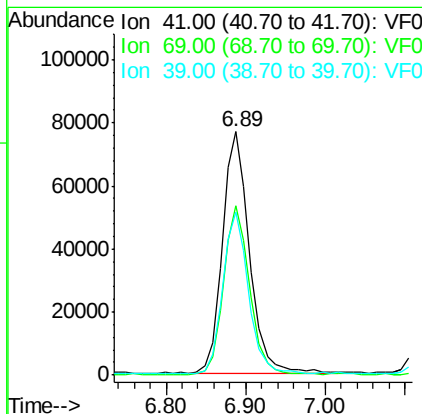
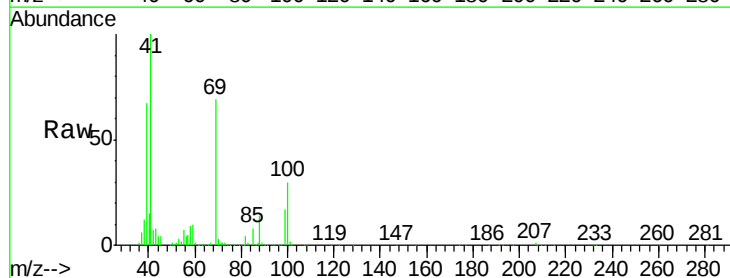
RT: 6.89 min Scan# 645

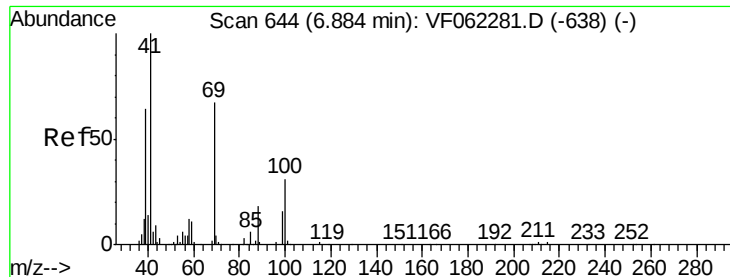
Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion:	41	Resp:	183166
Ion Ratio	Lower	Upper	
41	100		
69	67.2	53.4	80.2
39	63.6	50.9	76.3





#49

1,4-Dioxane

Concen: 1812.725 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

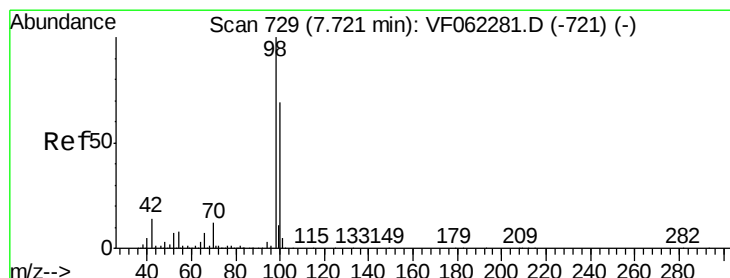
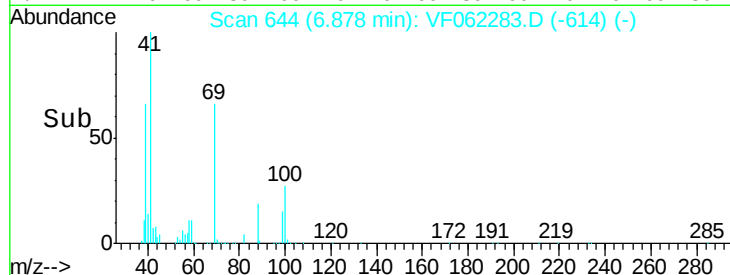
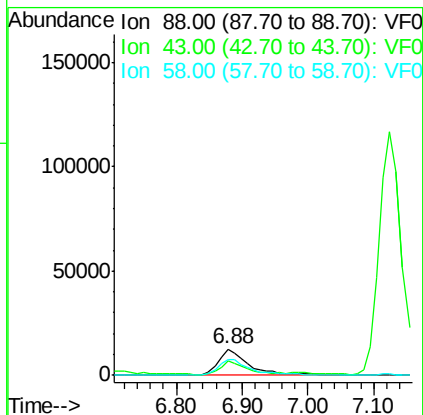
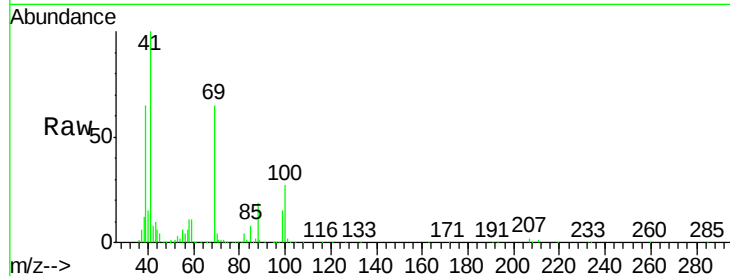
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	40349
Ion	Ratio	Lower	Upper
88	100		
43	41.2	34.2	51.4
58	64.1	50.7	76.1

Manual Integrations
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#50

Toluene-d8

Concen: 92.246 ug/l

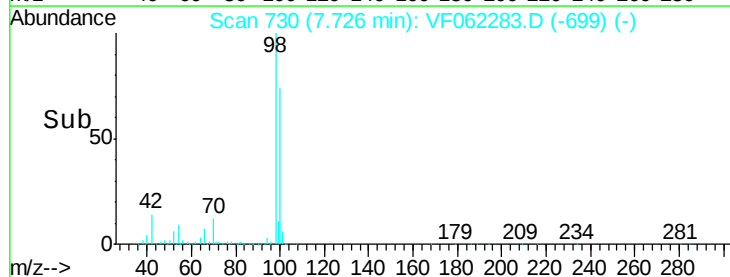
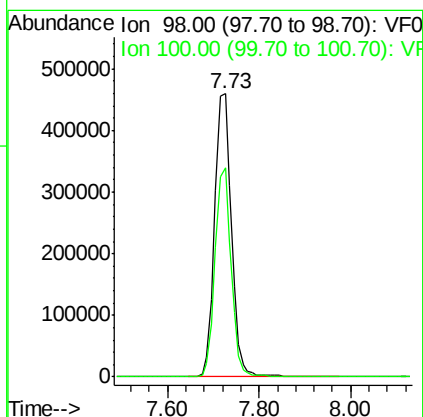
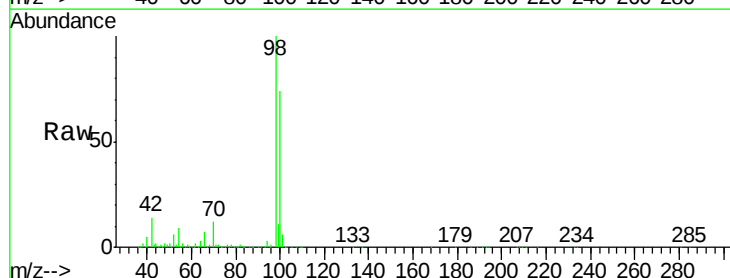
RT: 7.73 min Scan# 730

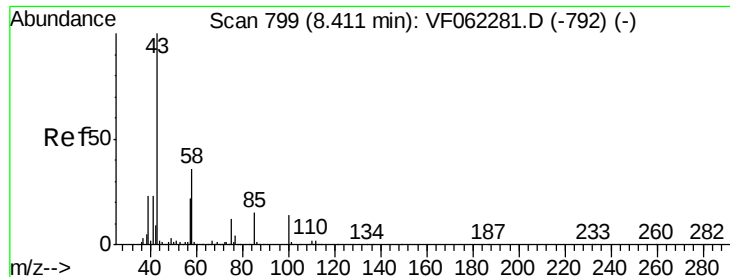
Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion:	98	Resp:	1155221
Ion	Ratio	Lower	Upper
98	100		
100	70.8	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 431.190 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 935116

Ion Ratio Lower Upper

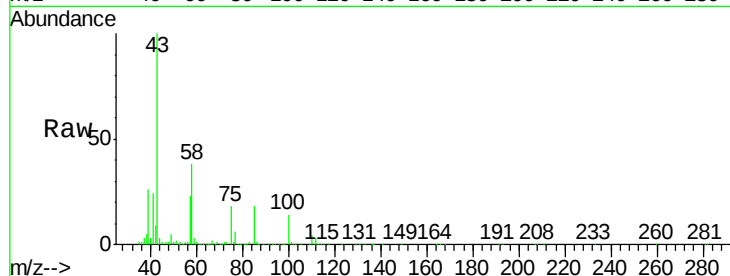
43 100

58 37.2 29.1 43.7

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

400000

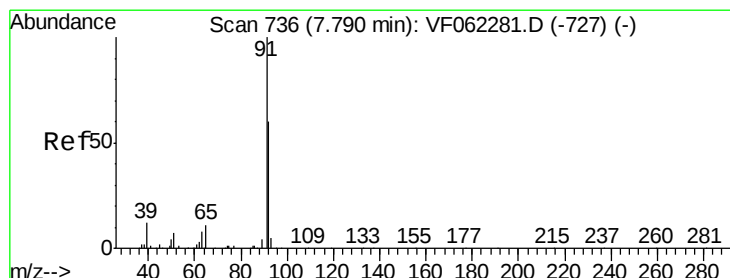
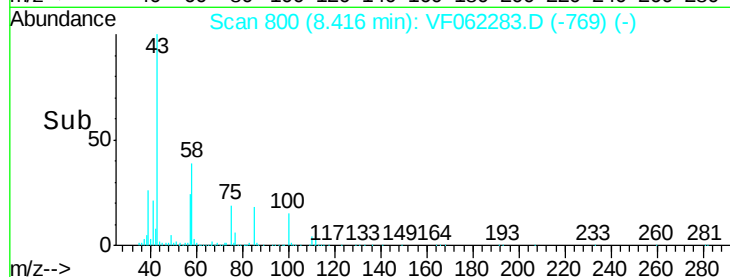
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 88.615 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF062283.D

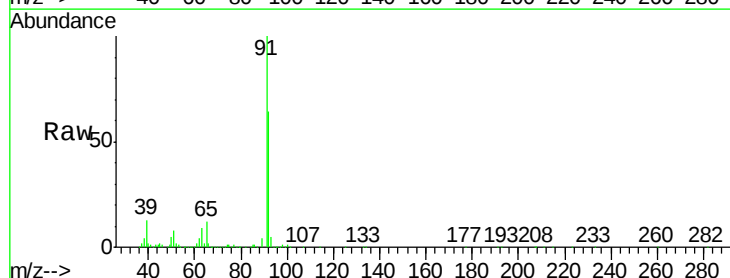
Acq: 24 Apr 2019 16:08

Tgt Ion: 92 Resp: 802338

Ion Ratio Lower Upper

92 100

91 160.5 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

600000

500000

400000

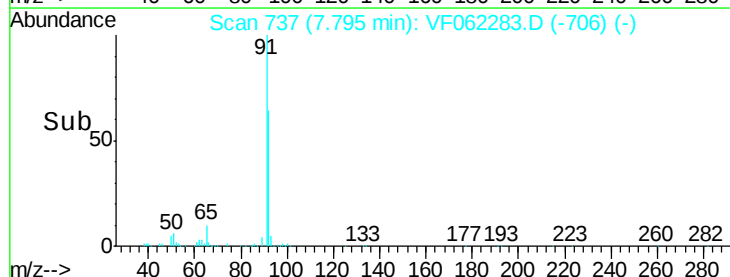
300000

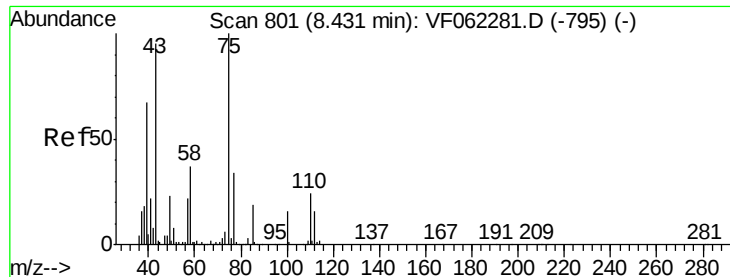
200000

100000

0

Time-->





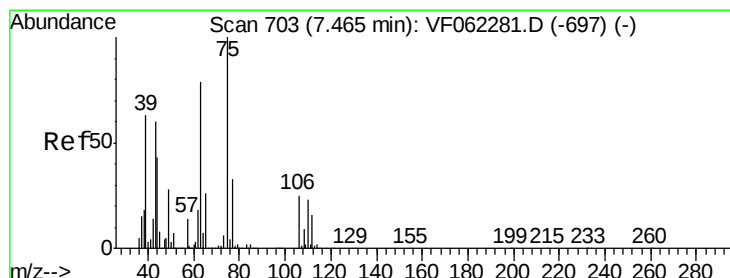
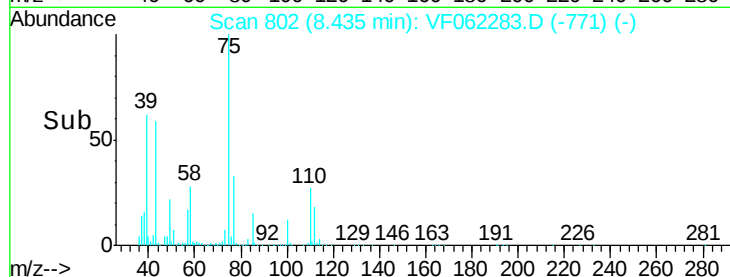
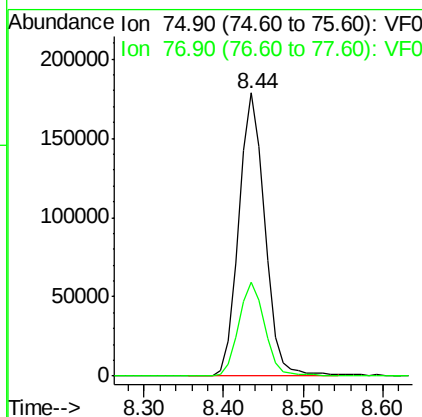
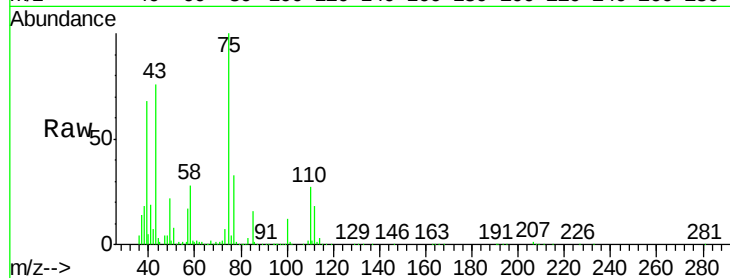
#53
t-1,3-Dichloropropene
Concen: 93.272 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.9	40.3

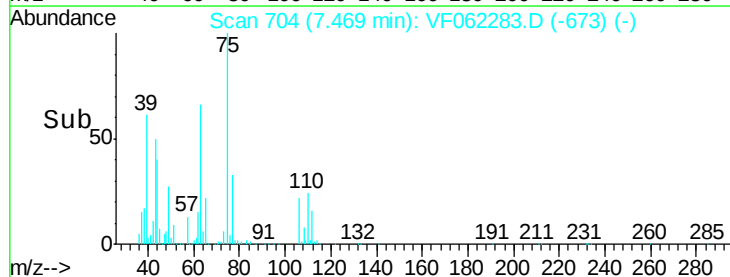
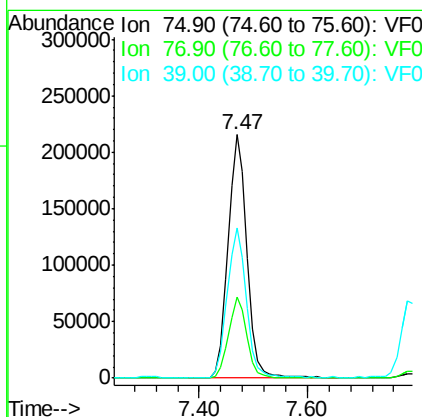
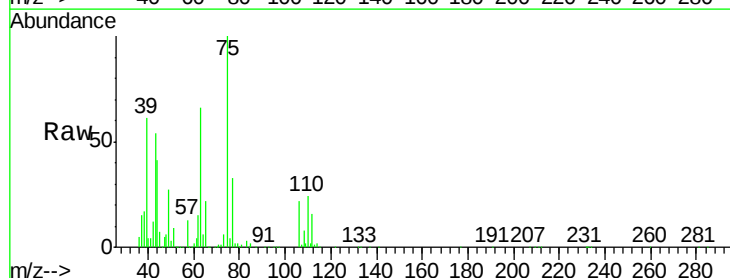
Manual Integrations
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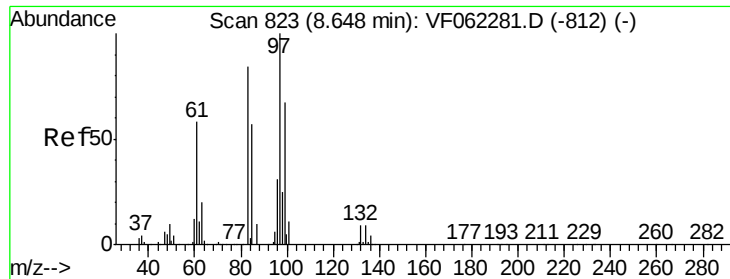
MMDadoda
4/26/2019 9:21:02 AM



#54
cis-1,3-Dichloropropene
Concen: 93.079 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.5	39.7
39	61.3	50.2	75.2





#55

1,1,2-Trichloroethane

Concen: 102.924 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

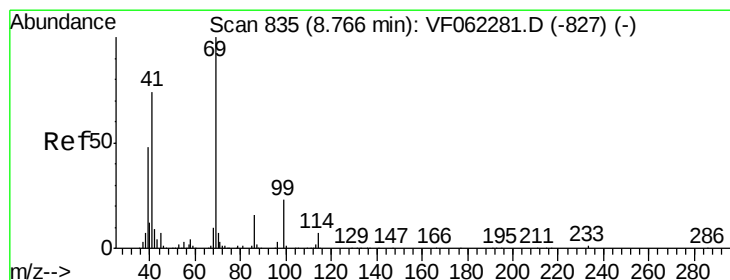
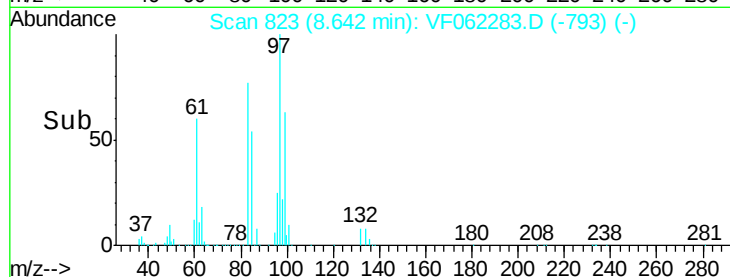
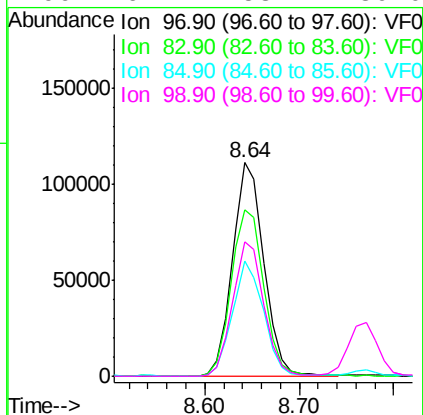
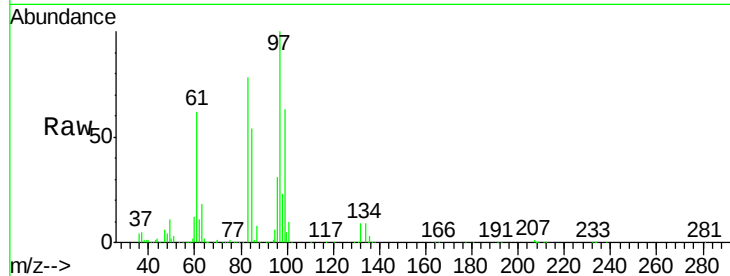
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	254703
Ion	Ratio	Lower	Upper
97	100		
83	77.6	67.5	101.3
85	53.7	45.3	67.9
99	62.7	53.4	80.0

Manual Integrations
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4/26/2019 9:21:02 AM



#56

Ethyl methacrylate

Concen: 95.190 ug/l

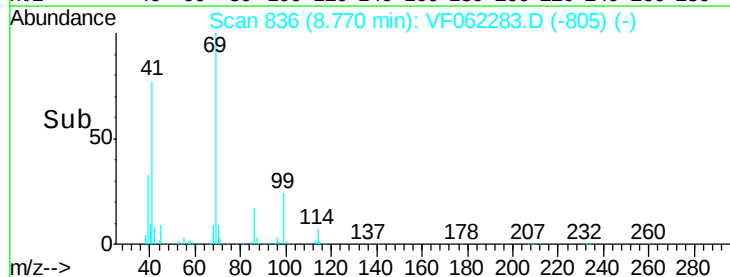
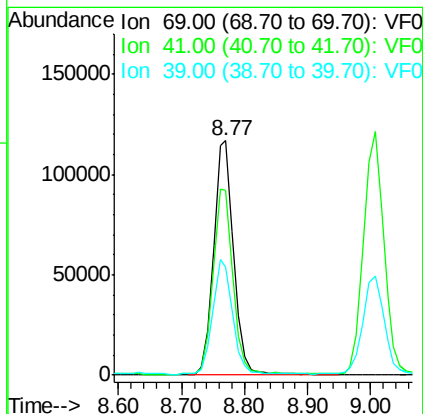
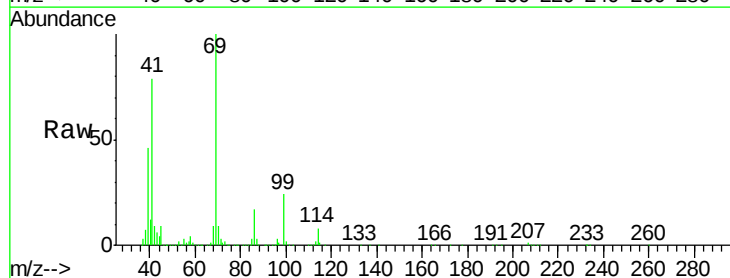
RT: 8.77 min Scan# 836

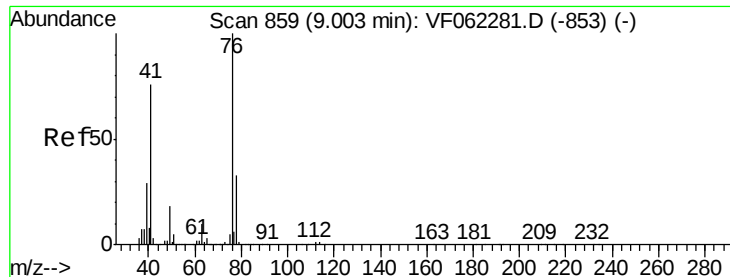
Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion:	69	Resp:	263337
Ion	Ratio	Lower	Upper
69	100		
41	77.9	61.5	92.3
39	47.8	37.9	56.9





#57

1,3-Dichloropropane

Concen: 96.234 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 374522

Ion Ratio Lower Upper

76 100

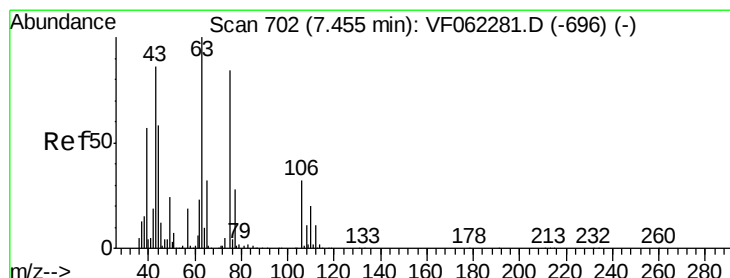
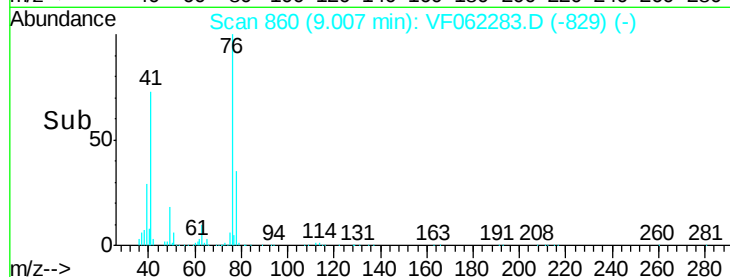
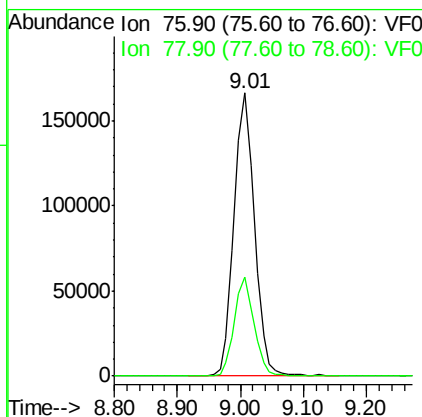
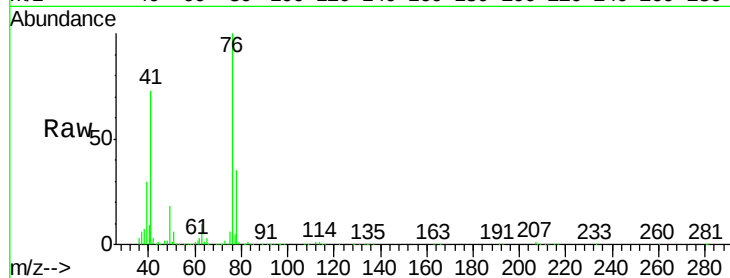
78 33.9 27.0 40.6

Manual Integrations

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4/26/2019 9:21:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 473.854 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062283.D

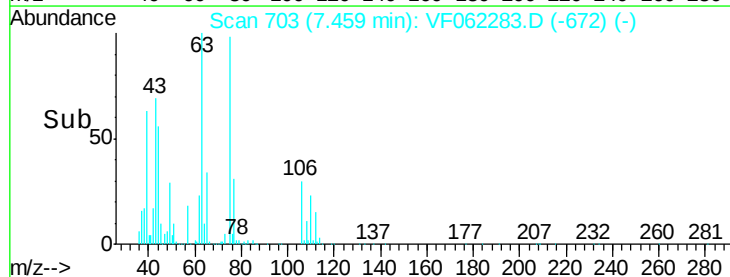
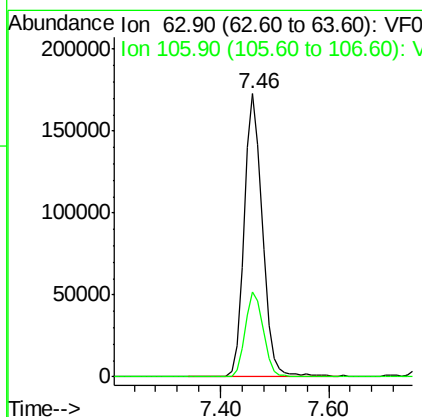
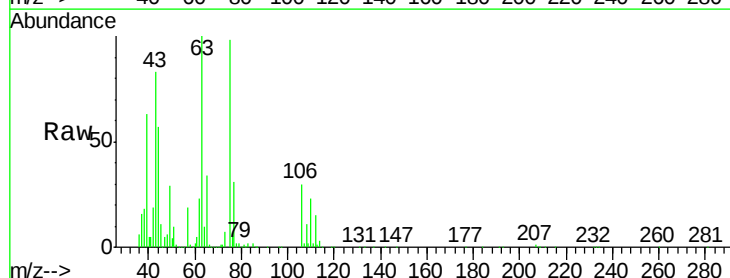
Acq: 24 Apr 2019 16:08

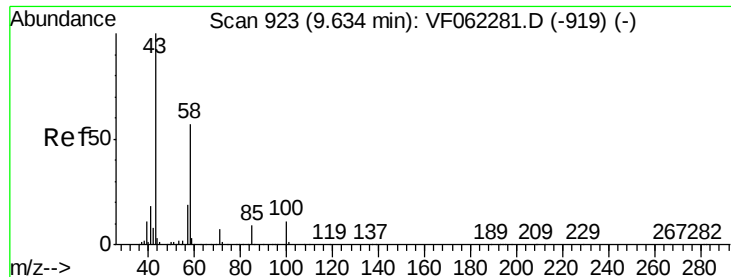
Tgt Ion: 63 Resp: 404968

Ion Ratio Lower Upper

63 100

106 30.2 24.7 37.1





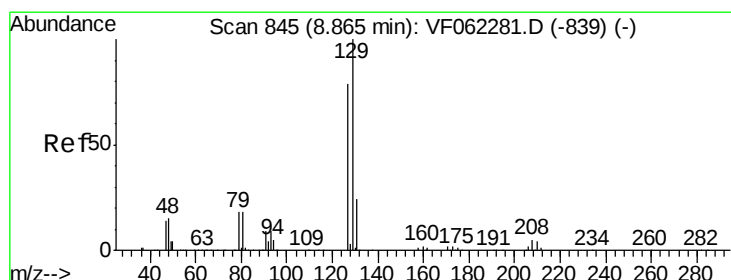
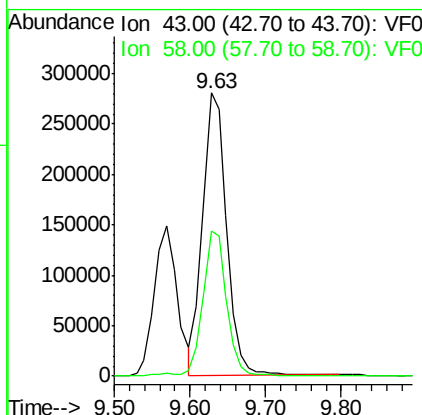
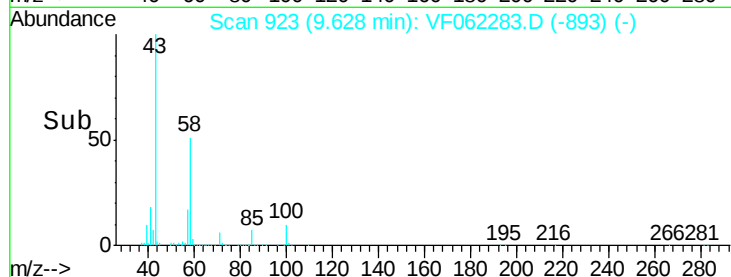
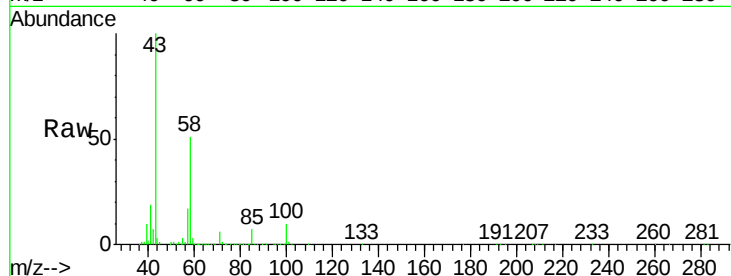
#59
2-Hexanone
Concen: 293.046 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 619757
Ion Ratio Lower Upper
43 100
58 51.5 24.9 74.7

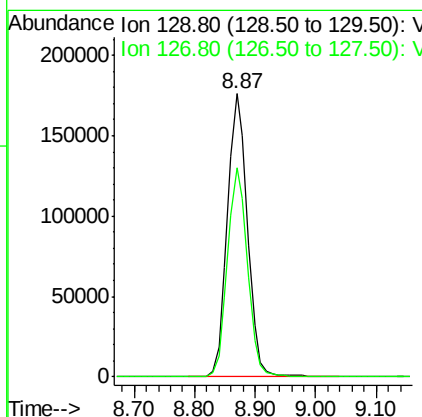
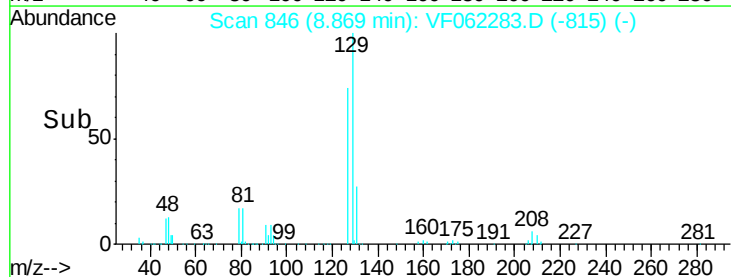
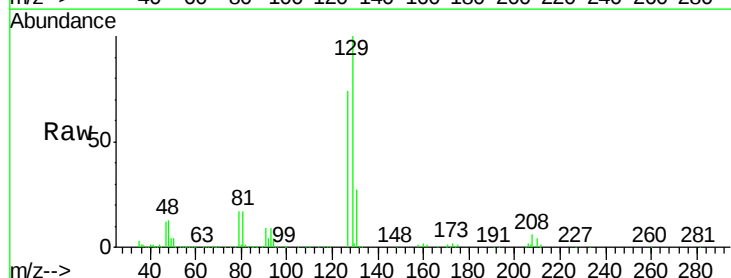
Manual Integrations
APPROVED

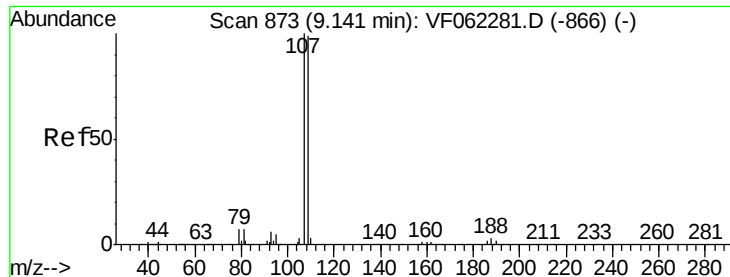
MMDadoda
4/26/2019 9:21:02 AM



#60
Dibromochloromethane
Concen: 102.360 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion: 129 Resp: 408173
Ion Ratio Lower Upper
129 100
127 73.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 98.178 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 283123

Ion Ratio Lower Upper

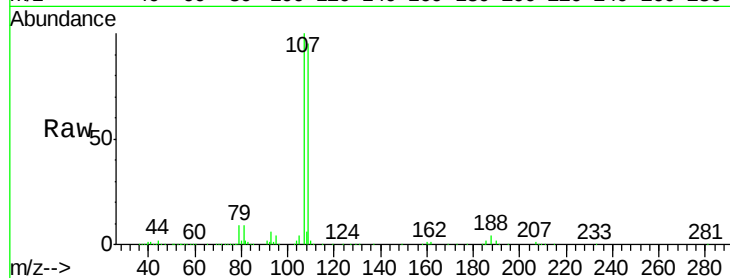
107 100

109 94.2 78.7 118.1

Manual Integrations
APPROVED

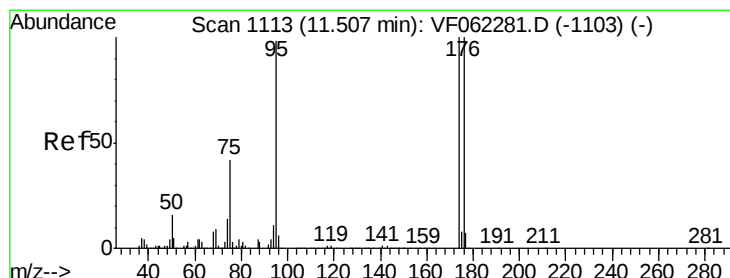
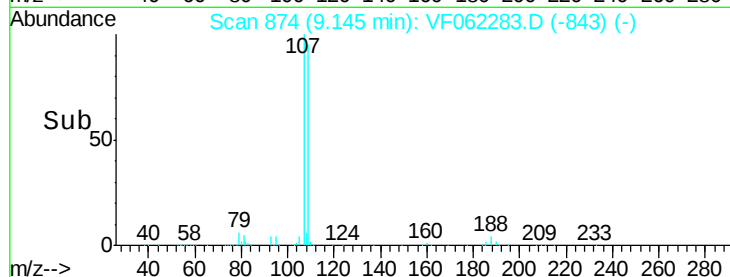
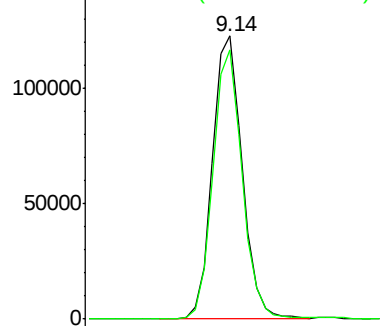
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 85.656 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

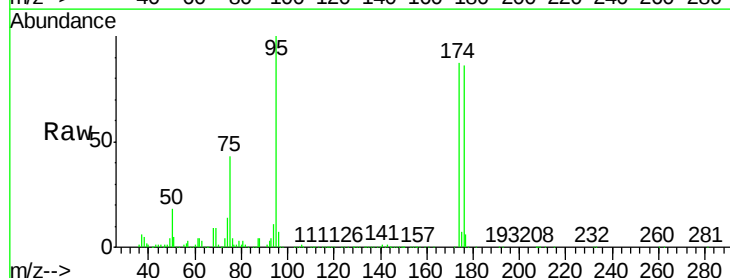
Tgt Ion: 95 Resp: 452094

Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.2

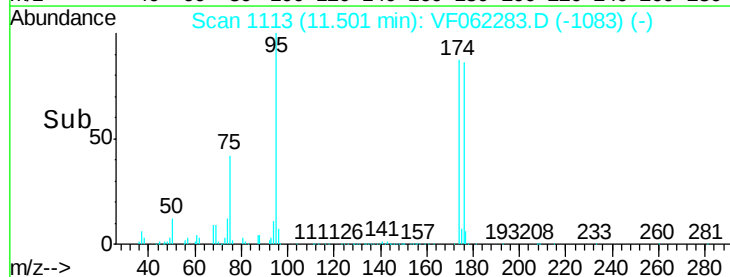
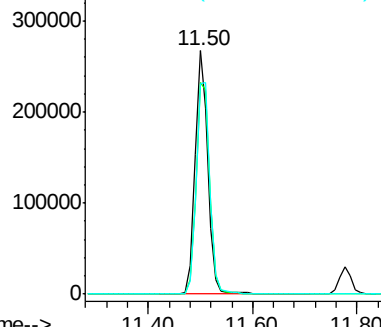
176 93.2 0.0 184.8

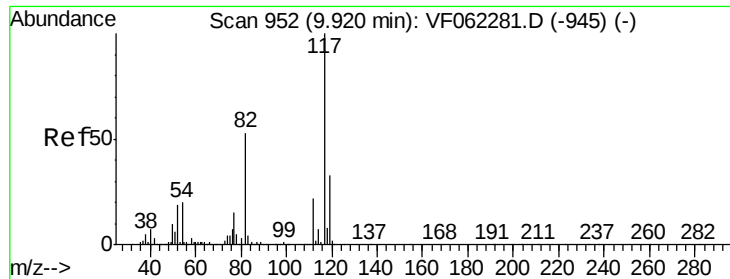


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





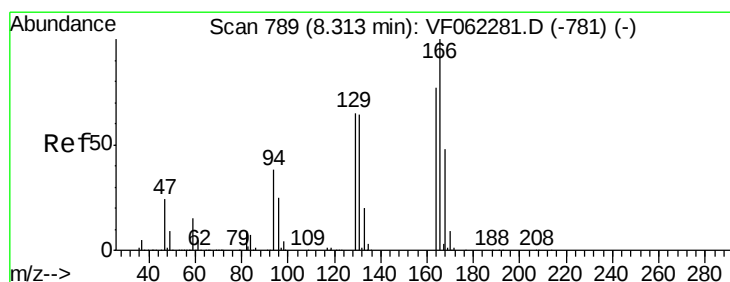
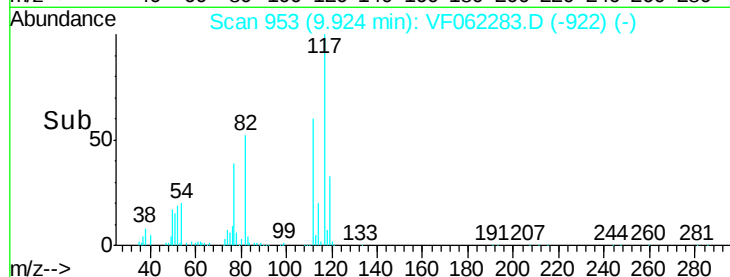
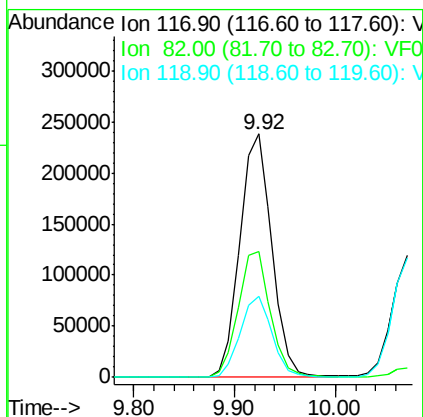
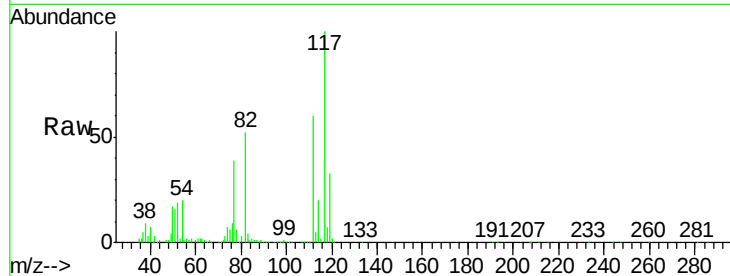
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	526668		
82	51.7		42.6	64.0
119	33.2		26.1	39.1

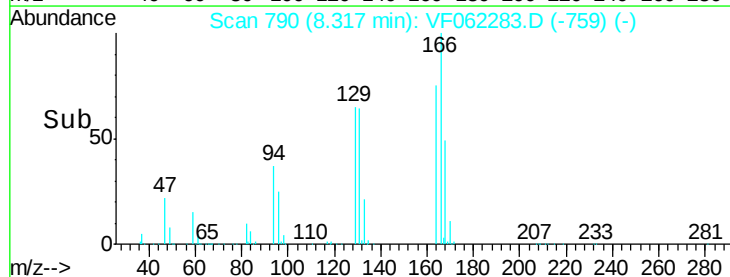
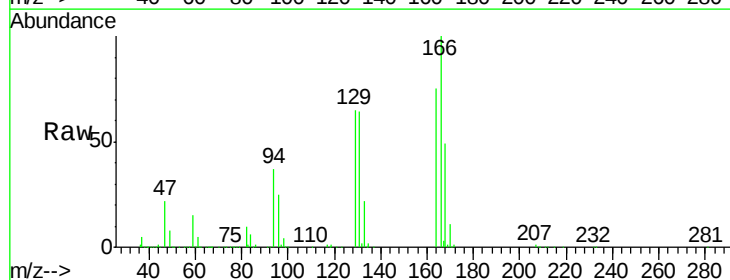
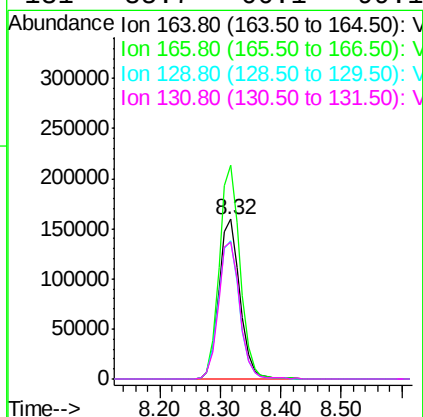
Manual Integrations
APPROVED

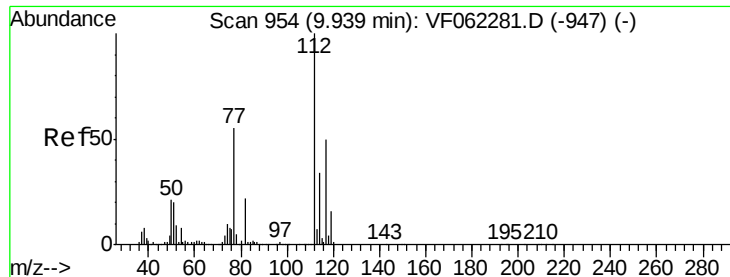
MMDadoda
4/26/2019 9:21:02 AM



#64
Tetrachloroethene
Concen: 85.224 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	385800		
166	133.9		103.5	155.3
129	86.7		67.6	101.4
131	85.7		66.1	99.1





#65

Chlorobenzene

Concen: 89.948 ug/l

RT: 9.94 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 878618

Ion Ratio Lower Upper

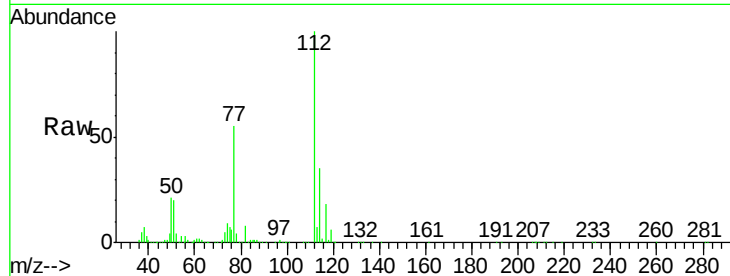
112 100

114 34.5 27.0 40.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.94

400000

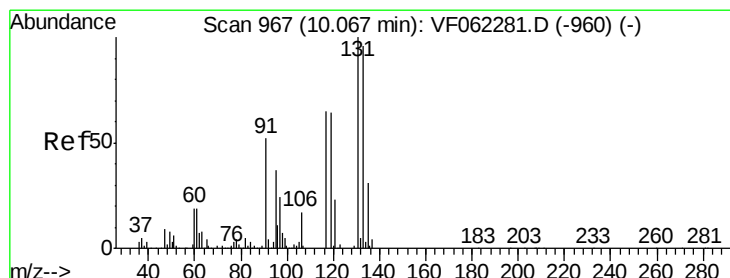
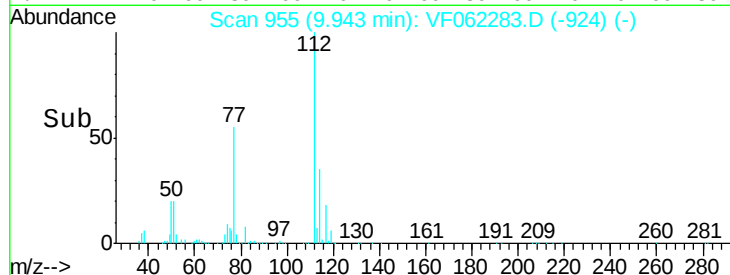
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 85.217 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

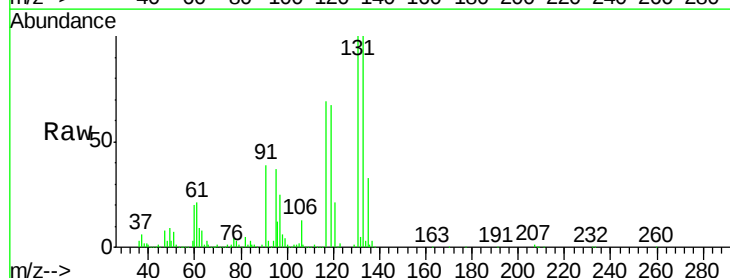
Tgt Ion:131 Resp: 401228

Ion Ratio Lower Upper

131 100

133 98.1 48.5 145.5

119 66.5 32.9 98.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.07

200000

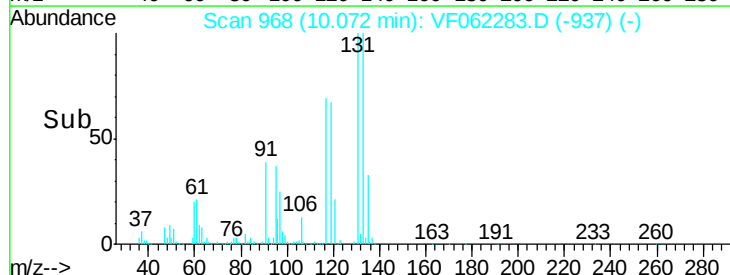
150000

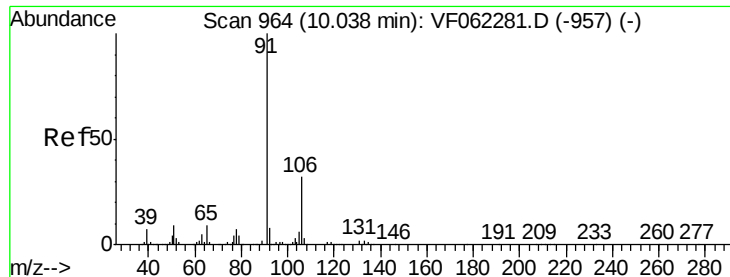
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 83.218 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1441931

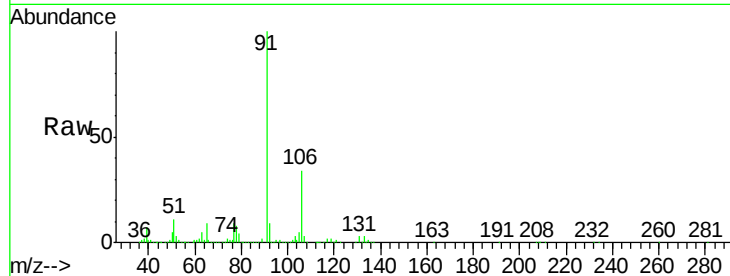
Ion Ratio Lower Upper

91 100

106 33.7 25.6 38.4

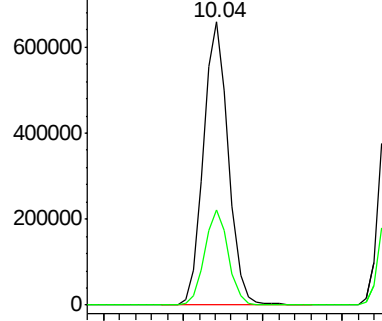
Manual Integrations
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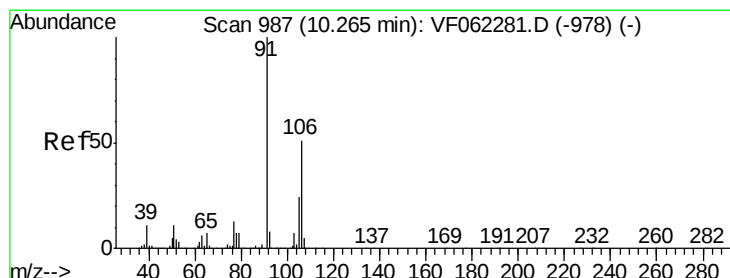
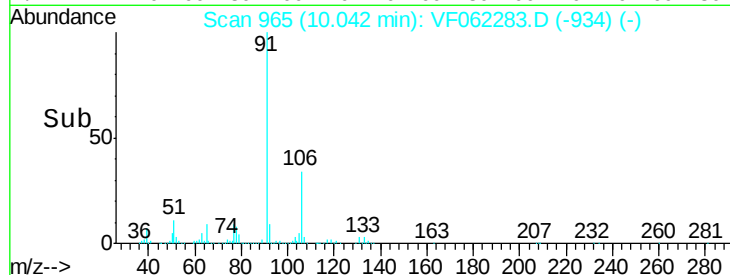


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->



#68

m/p-Xylenes

Concen: 176.487 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062283.D

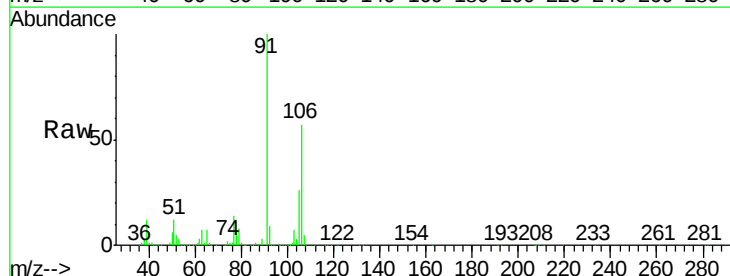
Acq: 24 Apr 2019 16:08

Tgt Ion: 106 Resp: 1129124

Ion Ratio Lower Upper

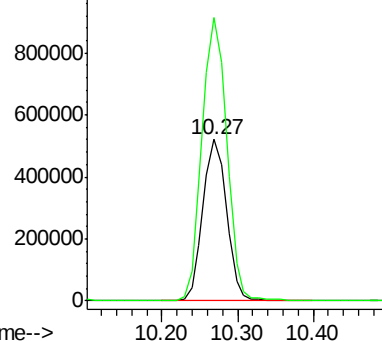
106 100

91 182.8 158.3 237.5

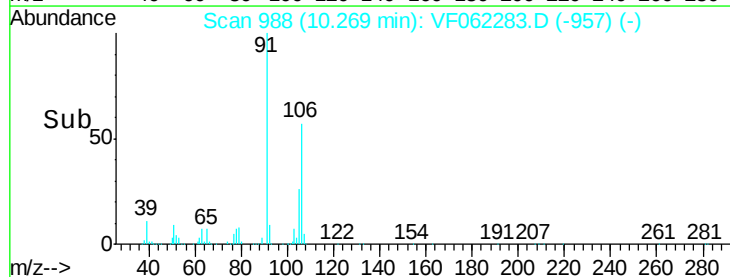


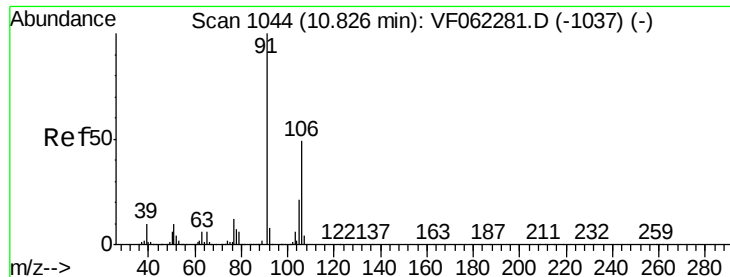
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



Time-->





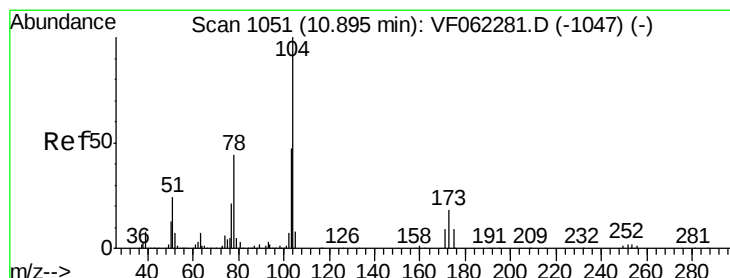
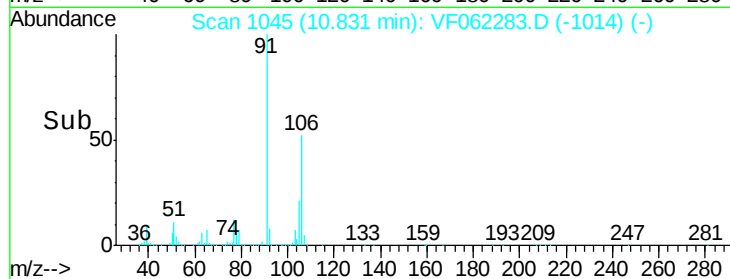
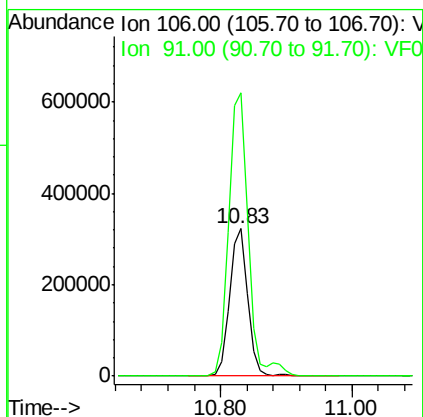
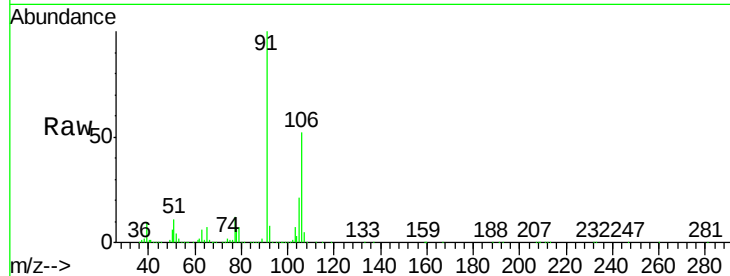
#69
o-Xylene
Concen: 86.225 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.4	110.0	330.0

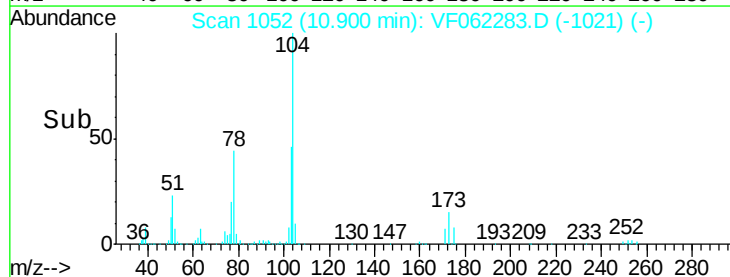
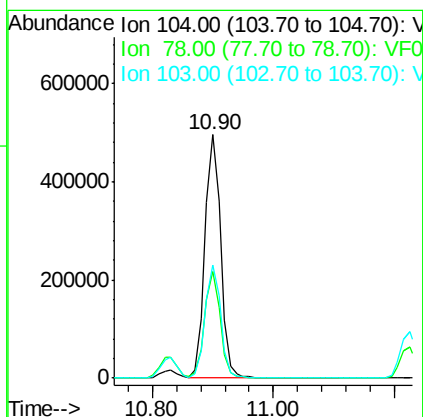
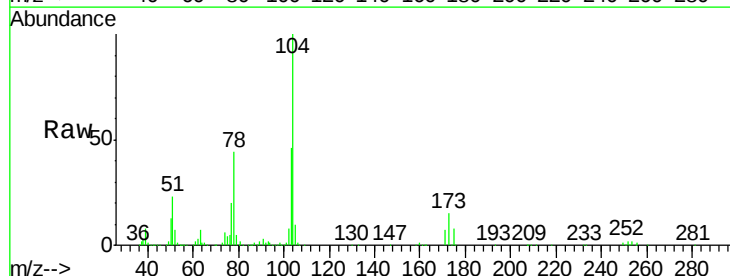
Manual Integrations
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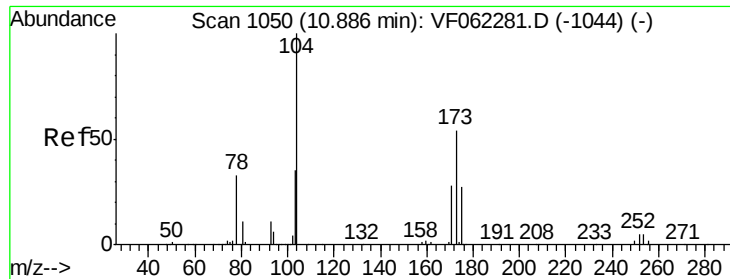
MMDadoda
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#70
Styrene
Concen: 86.736 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.0	35.9	53.9
103	45.7	37.5	56.3





#71

Bromoform

Concen: 93.835 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

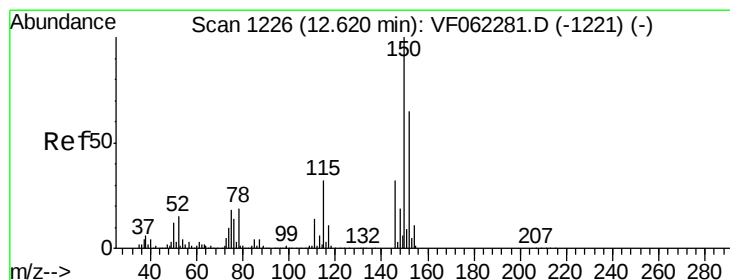
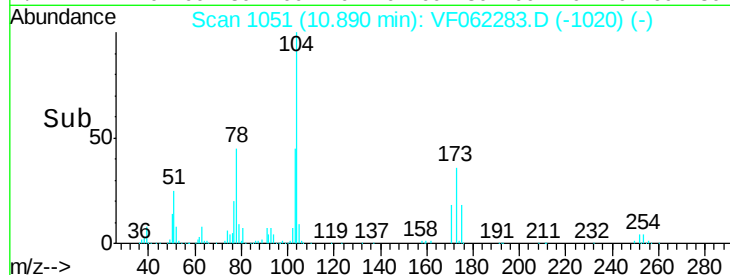
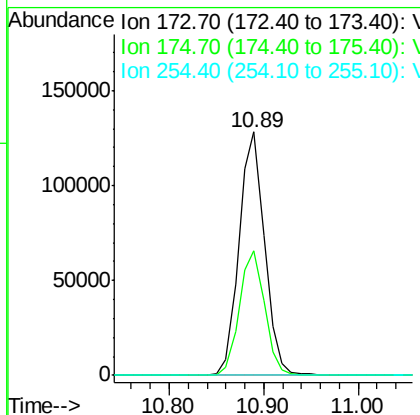
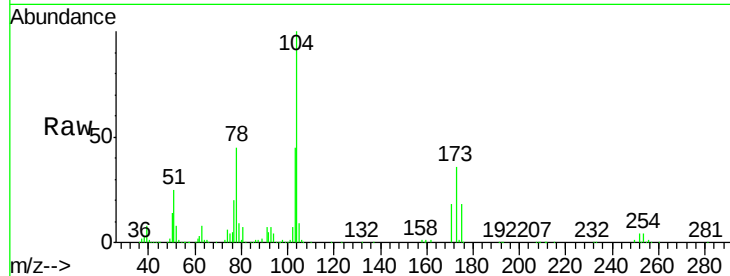
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	25.3	75.9
254	0.2	0.1	0.1#

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4/26/2019 9:21:02 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

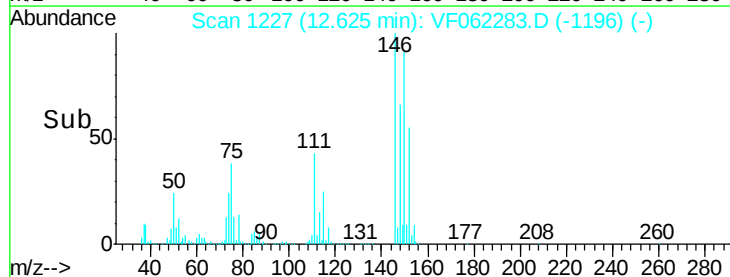
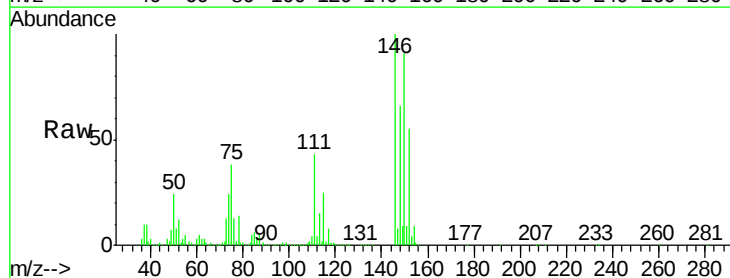
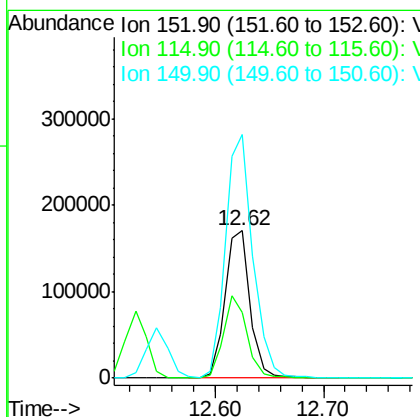
RT: 12.62 min Scan# 1227

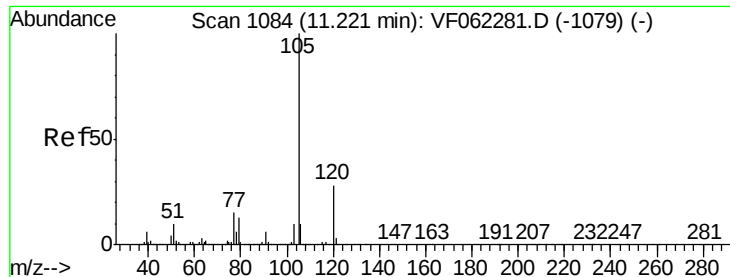
Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	25.6	76.8
150	180.2	0.0	330.6





#73

Isopropylbenzene

Concen: 88.307 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC100

Tot Ion:105 Resp: 1727051

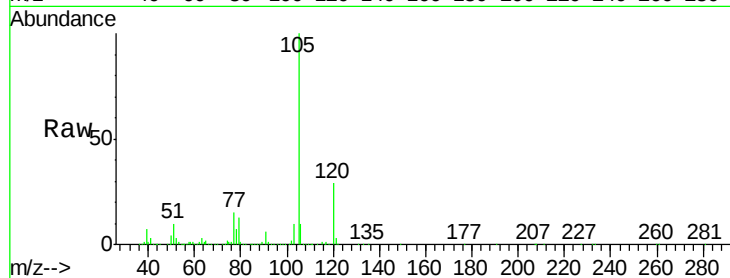
Ion Ratio Lower Upper

105 100

120 27.6 12.4 37.2

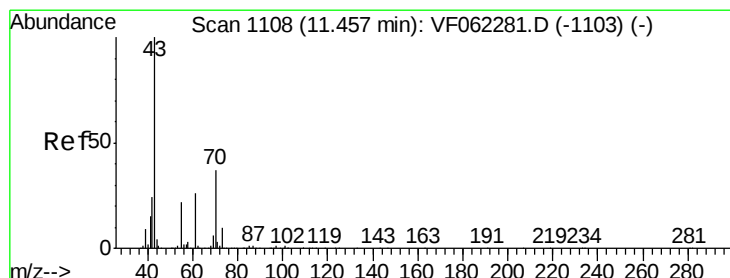
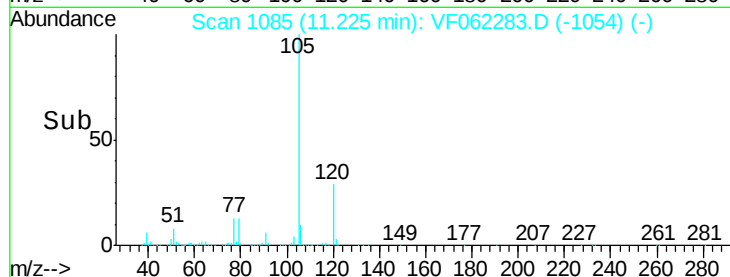
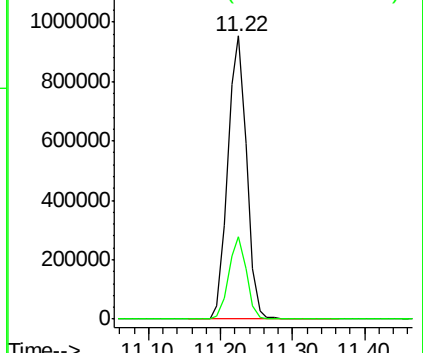
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 90.186 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion: 43 Resp: 400453

Ion Ratio Lower Upper

43 100

70 36.2 27.8 41.8

55 21.6 16.6 24.8

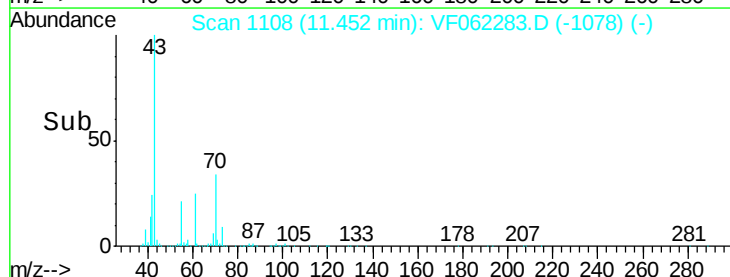
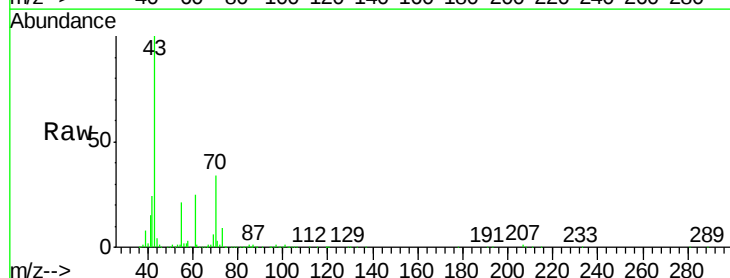
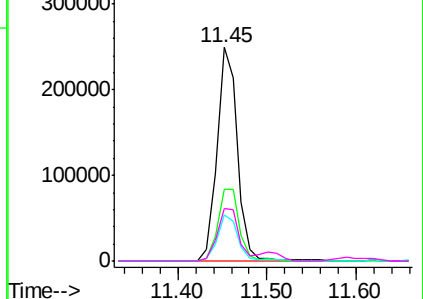
61 26.5 20.0 30.0

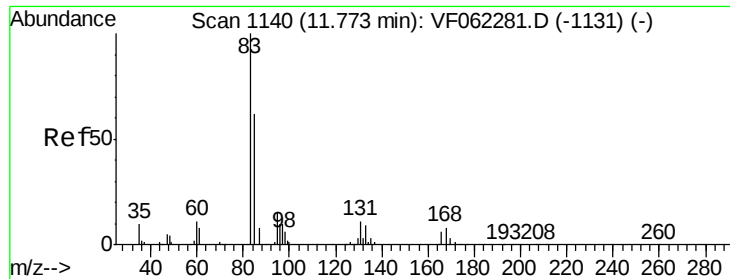
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 96.945 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

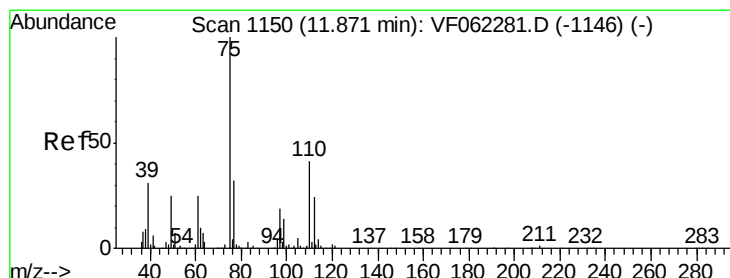
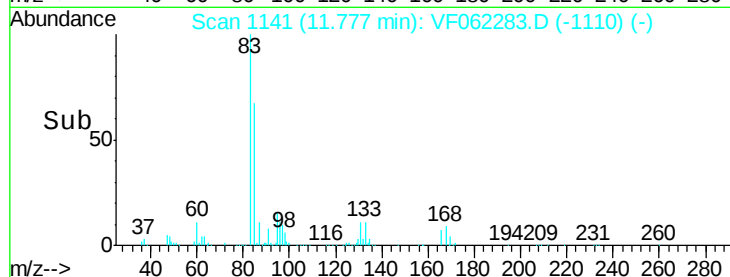
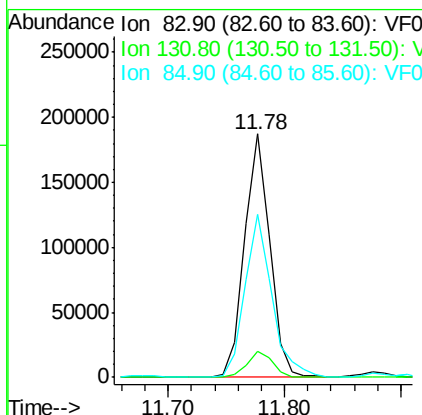
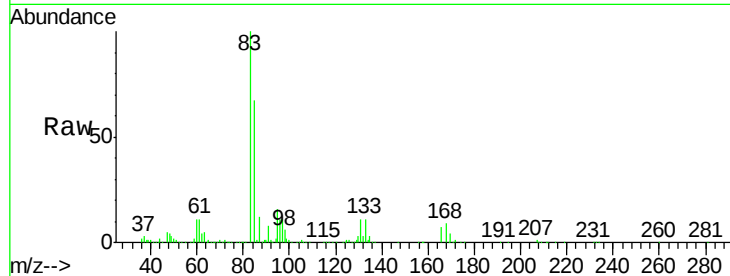
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	283530
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.5
85	71.4	34.5	103.6

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:02 AM



#76

1,2,3-Trichloropropane

Concen: 95.042 ug/l

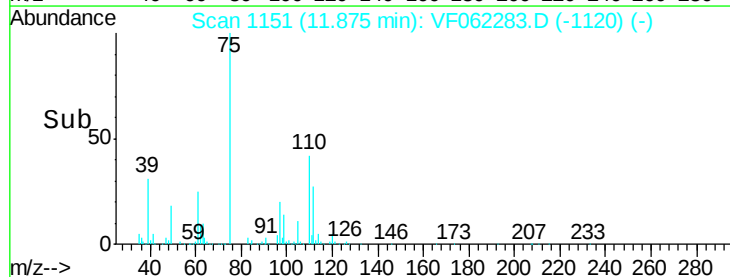
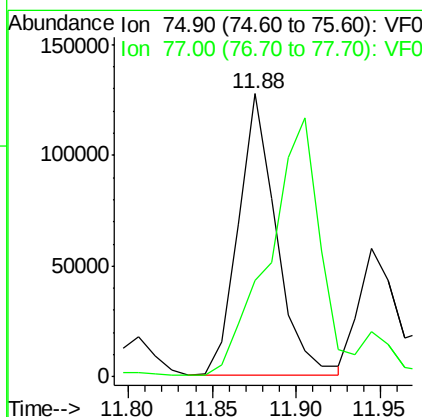
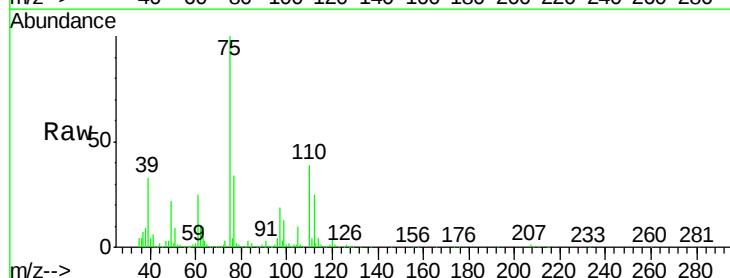
RT: 11.88 min Scan# 1151

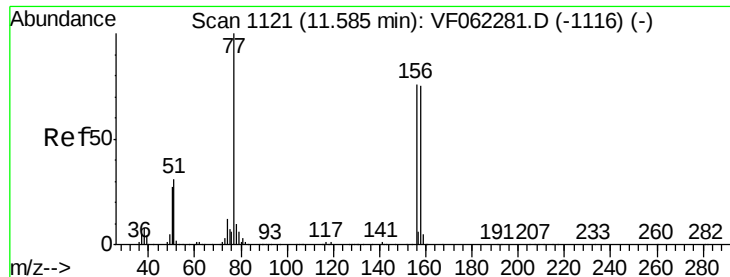
Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Tgt Ion:	75	Resp:	200587
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





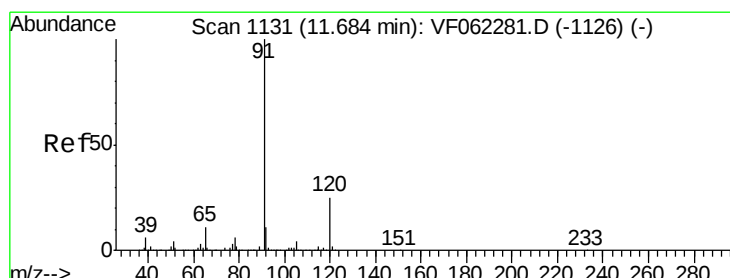
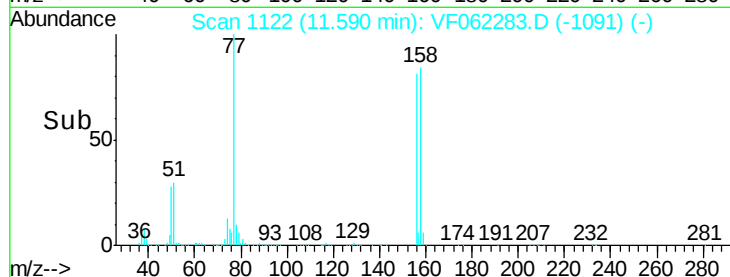
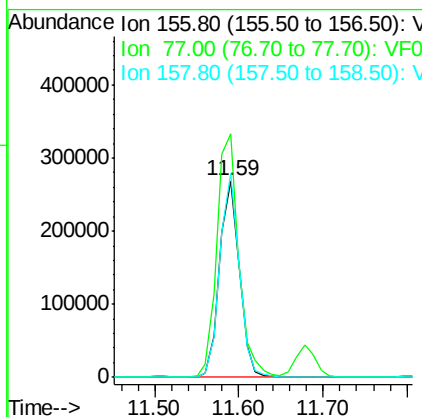
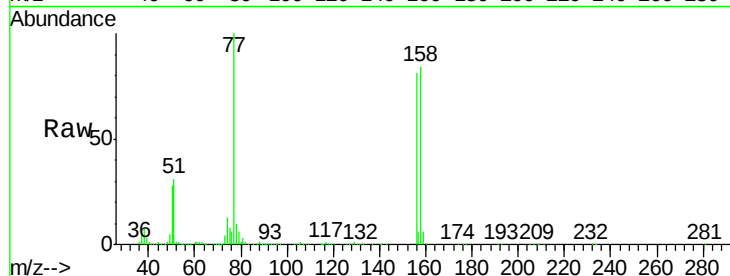
#77
Bromobenzene
Concen: 94.510 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	135.4	67.3	201.9	
158	101.4	49.5	148.5	

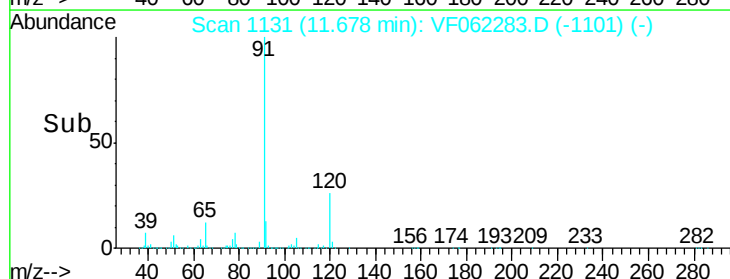
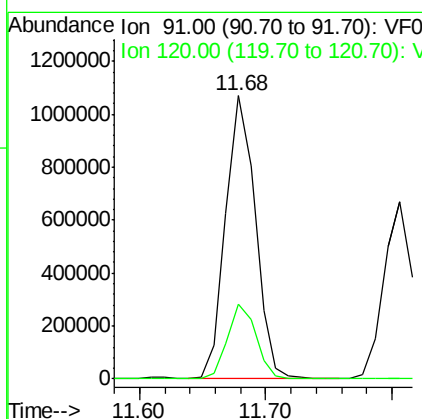
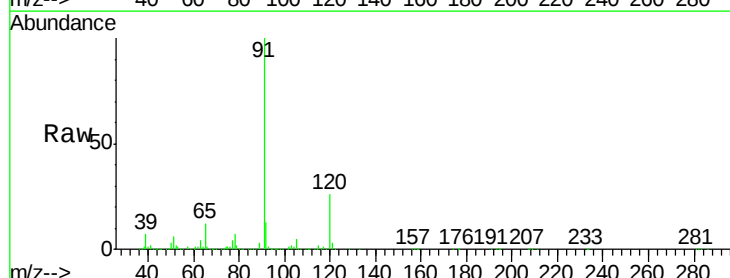
Manual Integrations
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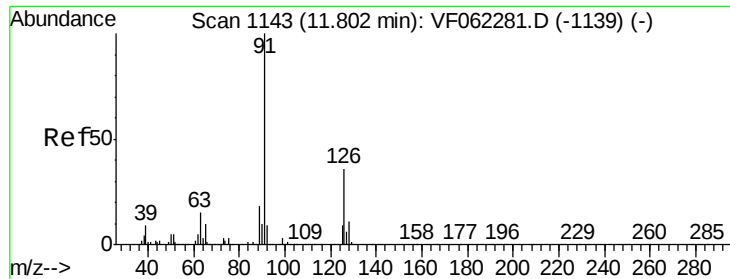
MMDadoda
4/26/2019 9:21:02 AM



#78
n-propylbenzene
Concen: 85.624 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	25.3	11.8	35.4	





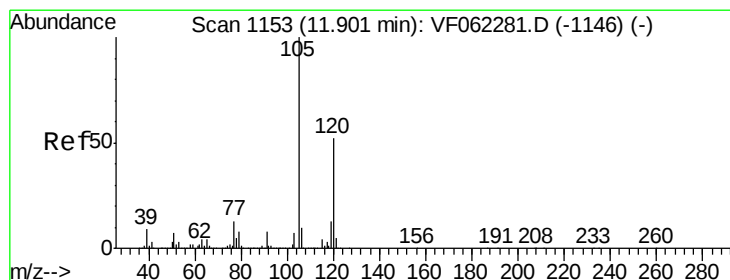
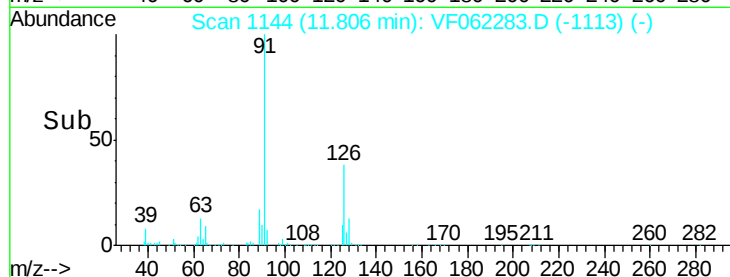
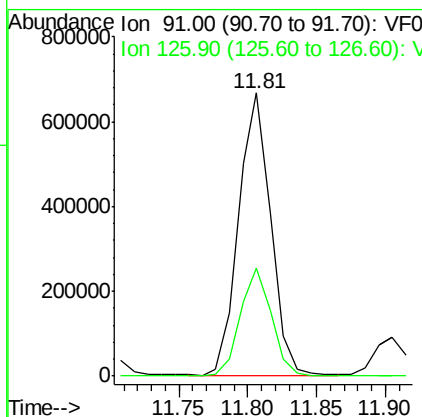
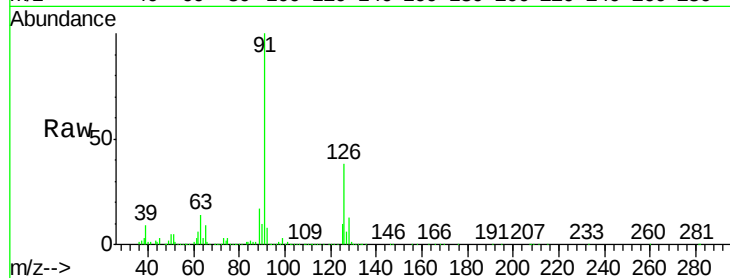
#79
 2-Chlorotoluene
 Concen: 89.208 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1079020
 Ion Ratio Lower Upper
 91 100
 126 37.3 17.9 53.8

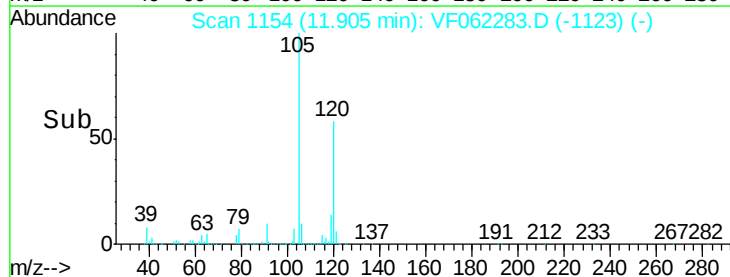
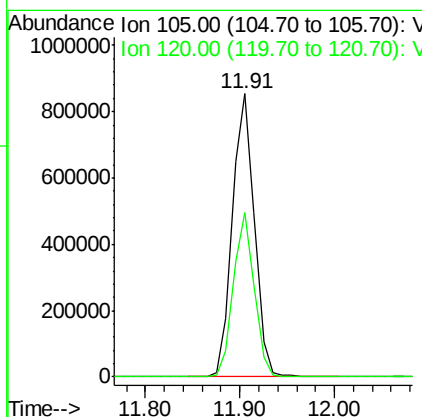
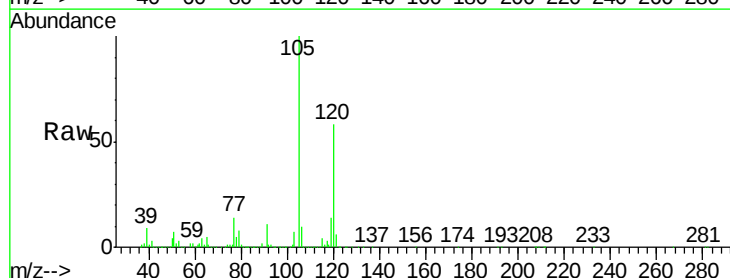
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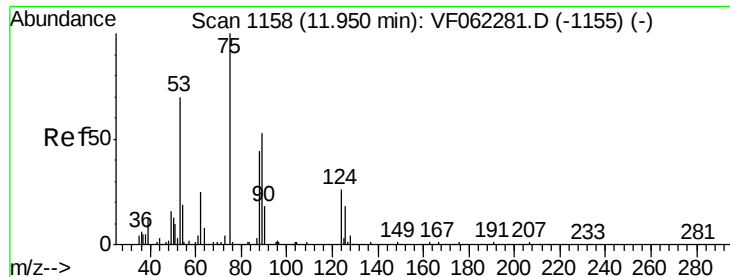
MMDadoda
 4/26/2019 9:21:02 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 83.824 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion: 105 Resp: 1371660
 Ion Ratio Lower Upper
 105 100
 120 55.0 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 70.172 ug/l m

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 85999

Ion Ratio Lower Upper

75 100

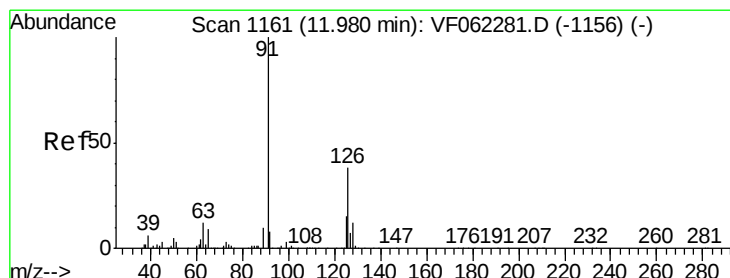
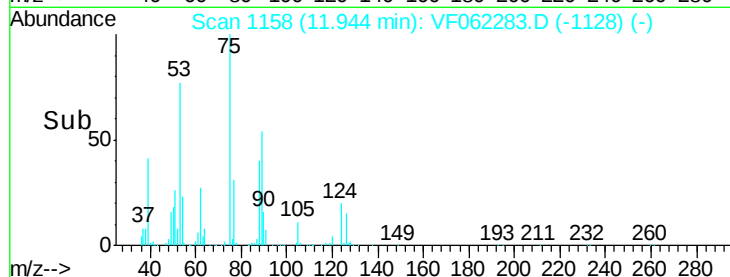
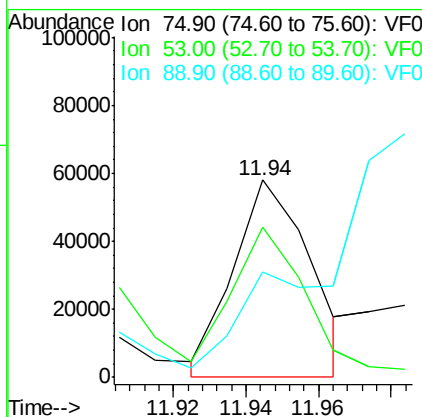
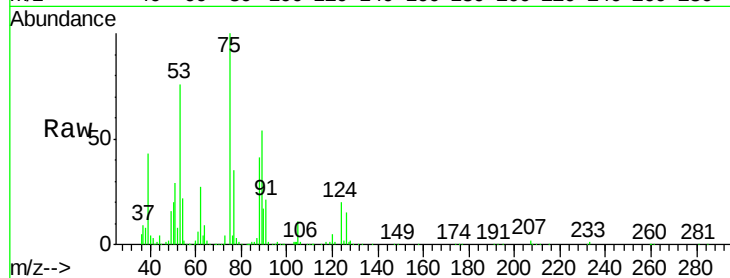
53 77.4 67.1 100.7

89 0.0 0.0 0.0

Manual Integrations
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4/26/2019 9:21:02 AM



#82

4-Chlorotoluene

Concen: 87.942 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF062283.D

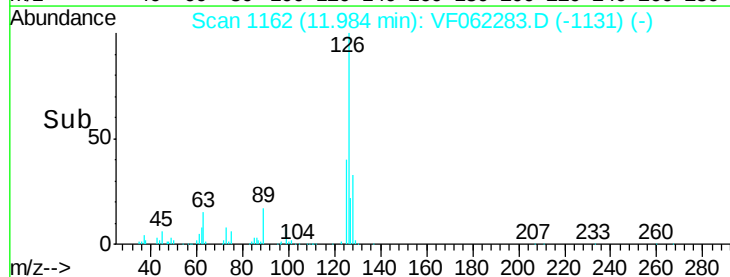
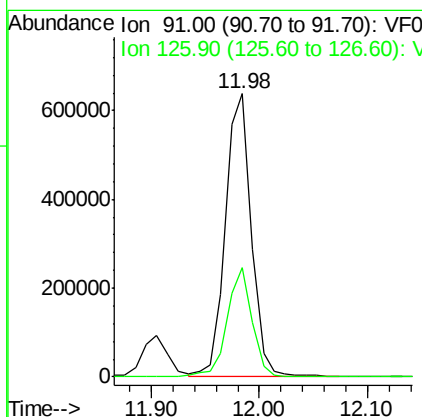
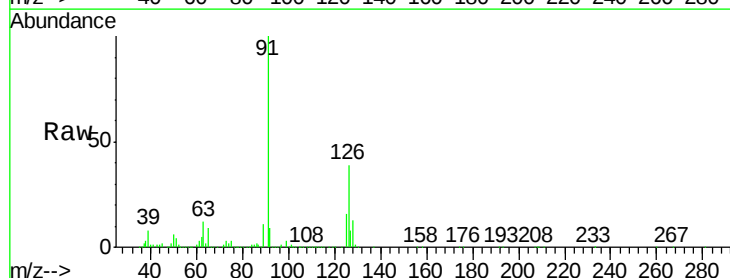
Acq: 24 Apr 2019 16:08

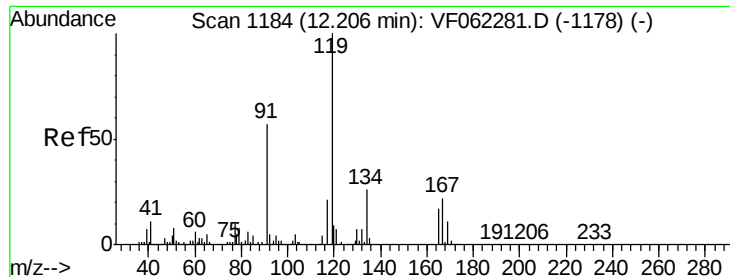
Tgt Ion: 91 Resp: 1054117

Ion Ratio Lower Upper

91 100

126 37.5 17.3 52.0





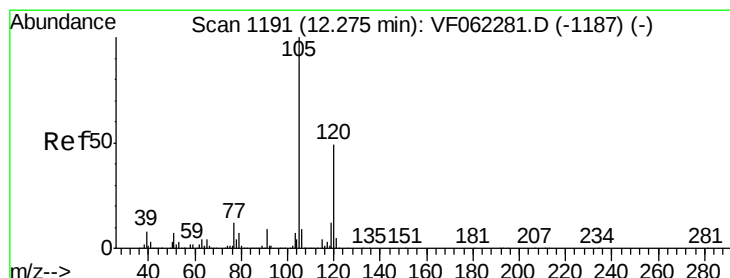
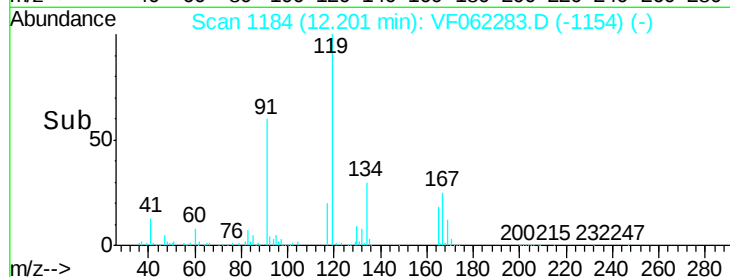
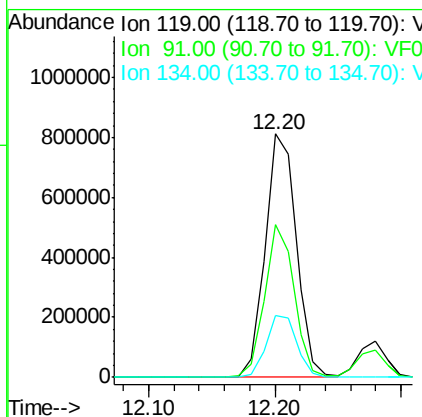
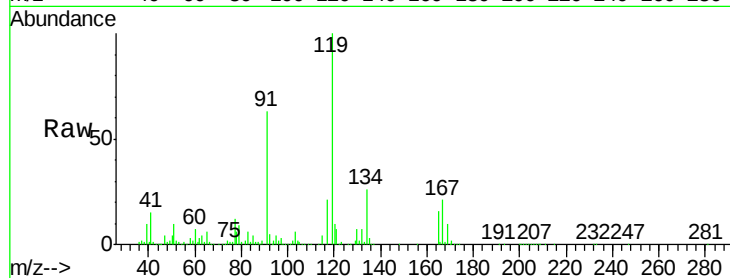
#83
 tert-Butylbenzene
 Concen: 81.562 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.4	88.2
134	25.1	11.9	35.7

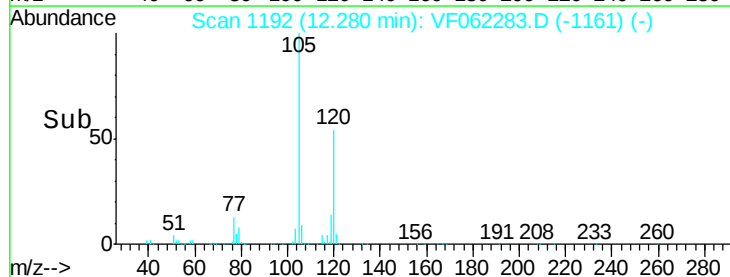
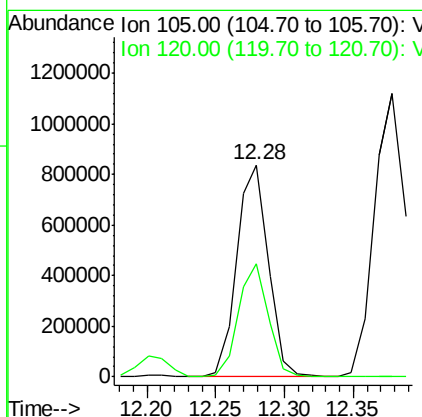
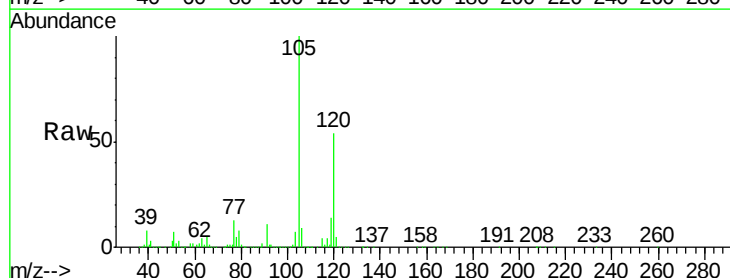
Manual Integrations
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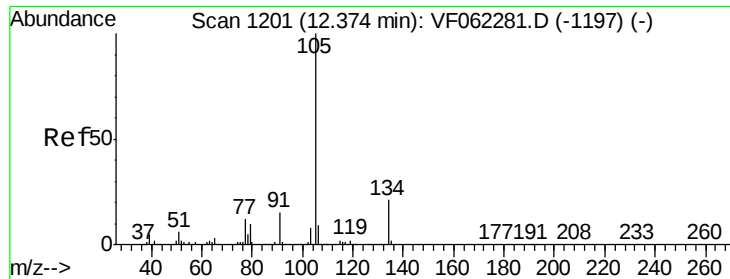
MMDadoda
 4/26/2019 9:21:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 82.729 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.8	24.1	72.2





#85

sec-Butylbenzene

Concen: 84.090 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1790984

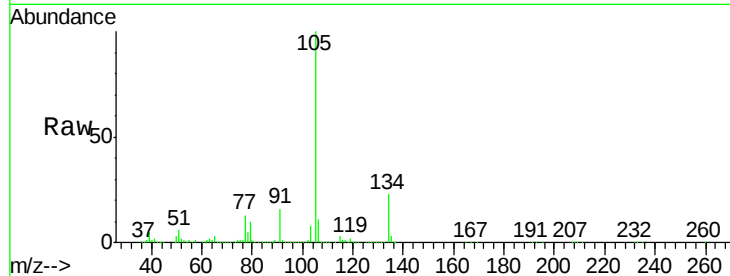
Ion Ratio Lower Upper

105 100

134 21.9 10.2 30.4

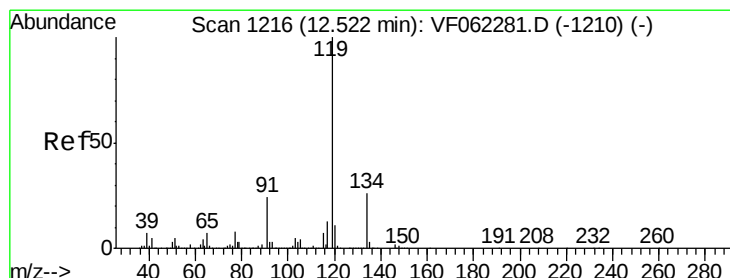
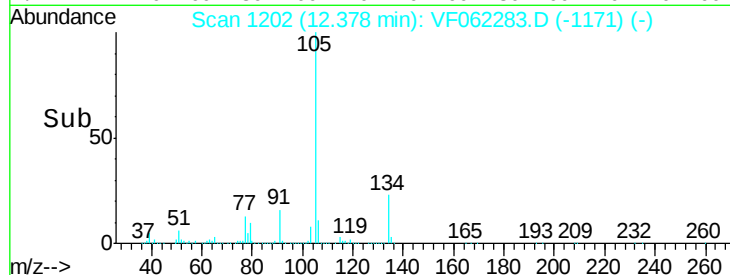
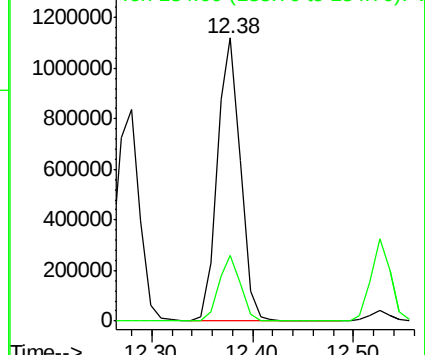
Manual Integrations
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4/26/2019 9:21:02 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 82.994 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062283.D

Acq: 24 Apr 2019 16:08

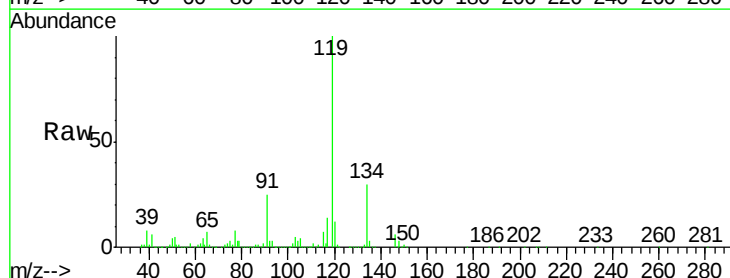
Tgt Ion:119 Resp: 1573457

Ion Ratio Lower Upper

119 100

134 28.3 13.2 39.5

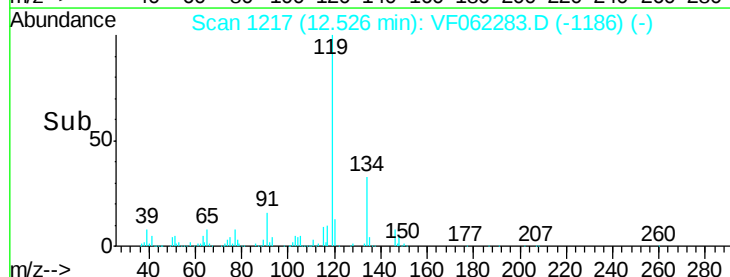
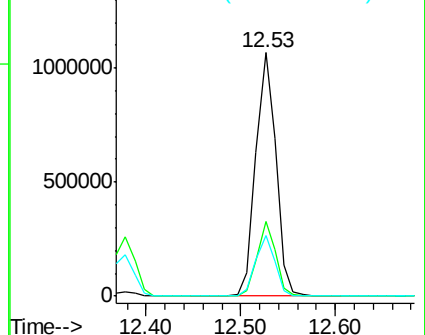
91 24.1 11.6 34.7

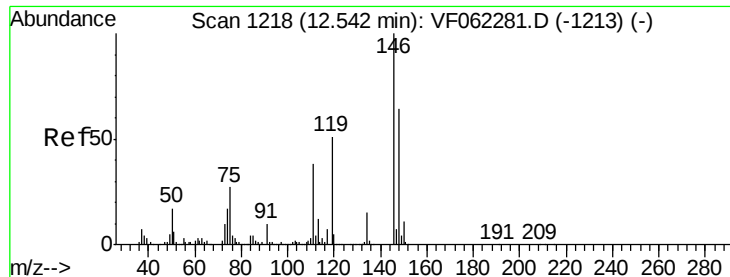


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





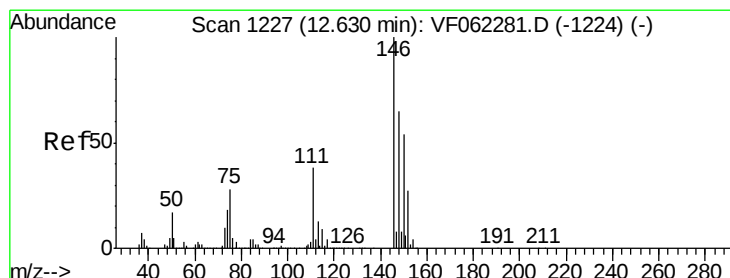
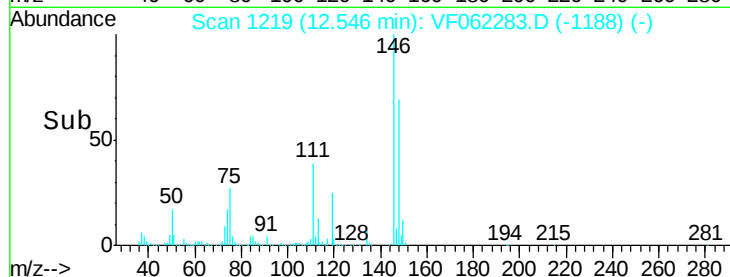
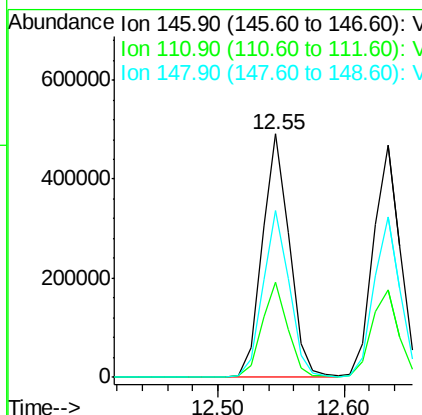
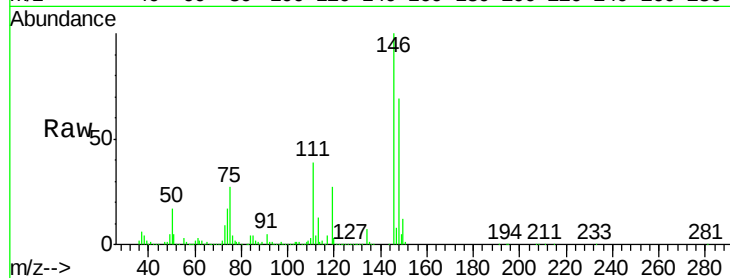
#87
 1,3-Dichlorobenzene
 Concen: 85.953 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	66.6	32.8	98.4

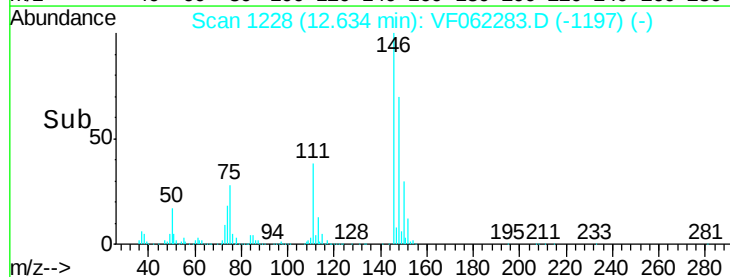
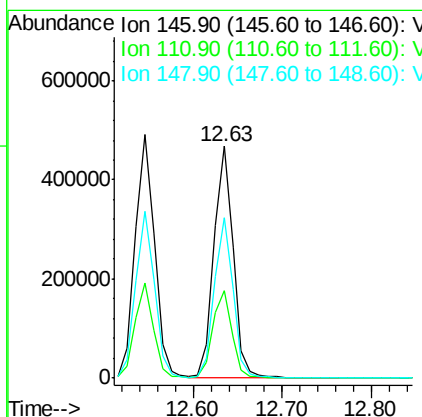
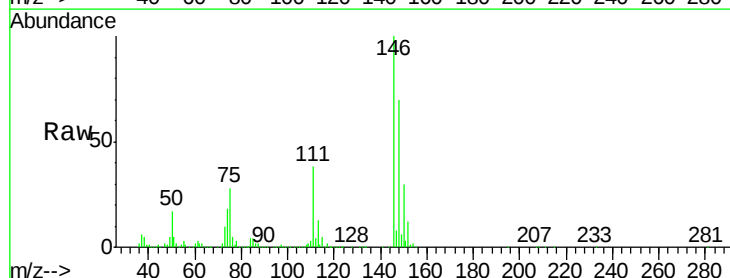
Manual Integrations
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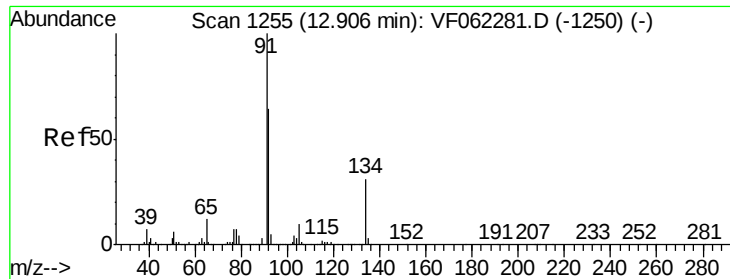
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 87.674 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	56.0
148	67.8	32.5	97.5





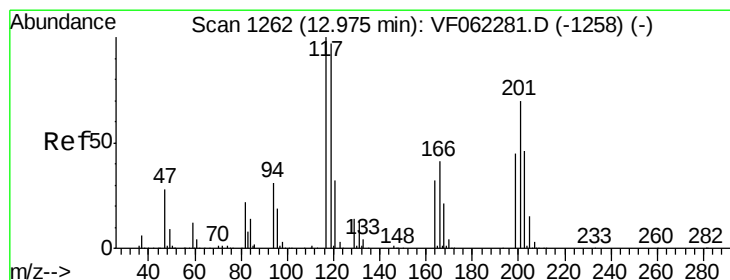
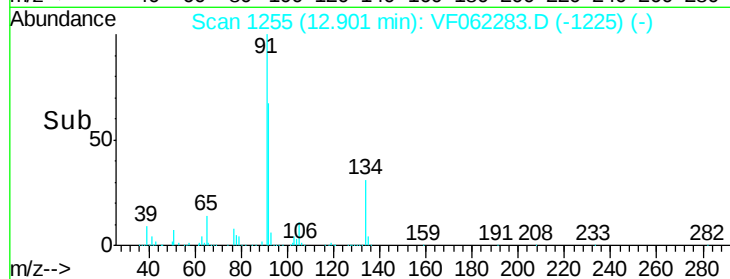
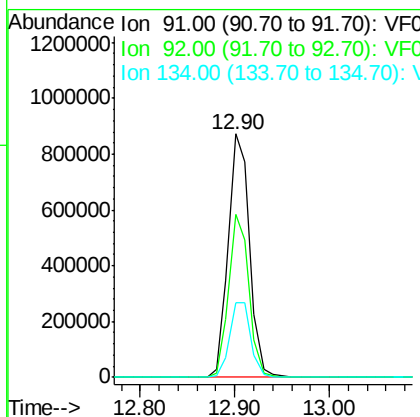
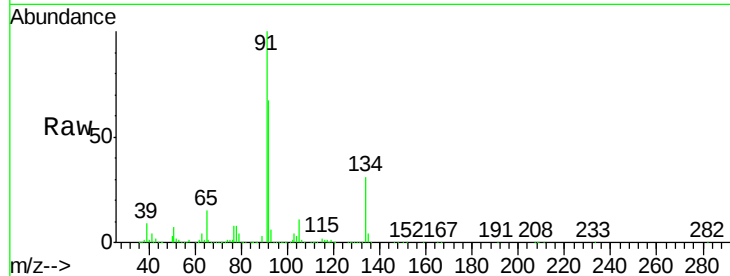
#89
n-Butylbenzene
Concen: 76.648 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.9	31.1	93.3
134	30.9	14.4	43.4

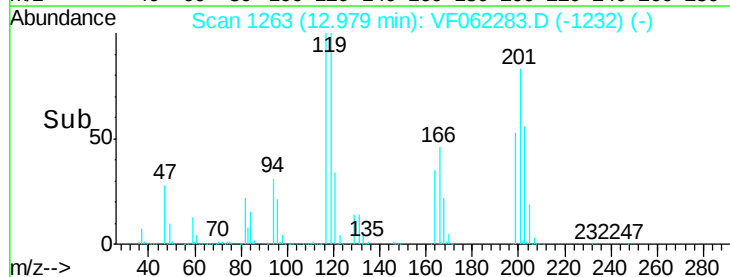
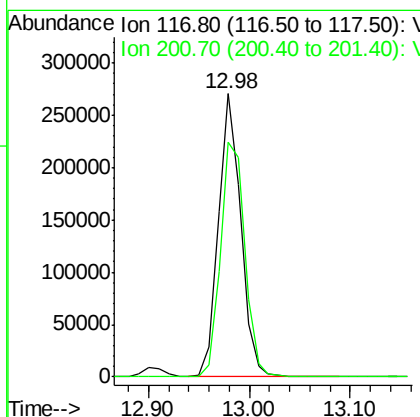
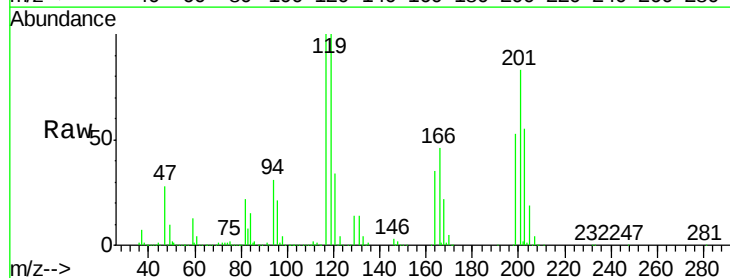
Manual Integrations
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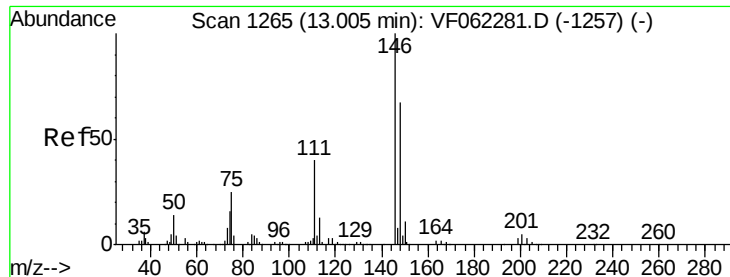
MMDadoda
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#90
Hexachloroethane
Concen: 89.122 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.1	42.9	128.5





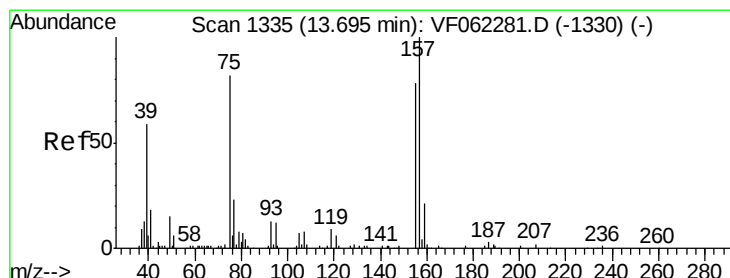
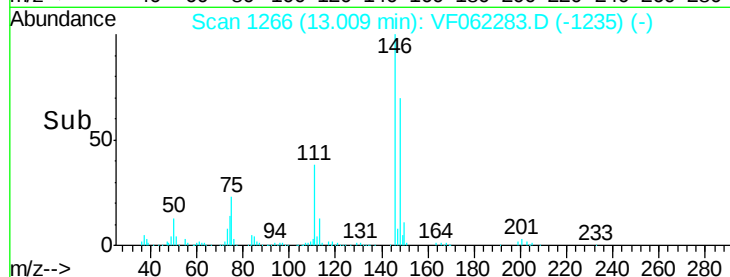
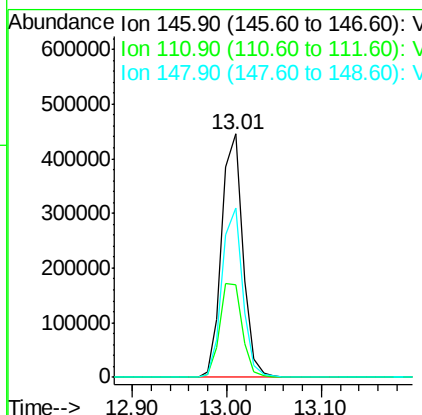
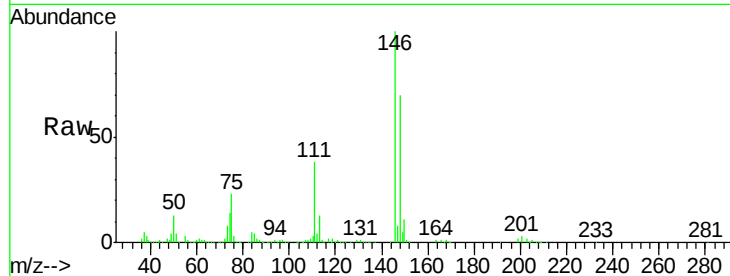
#91
 1,2-Dichlorobenzene
 Concen: 84.141 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	68.1	33.1	99.5

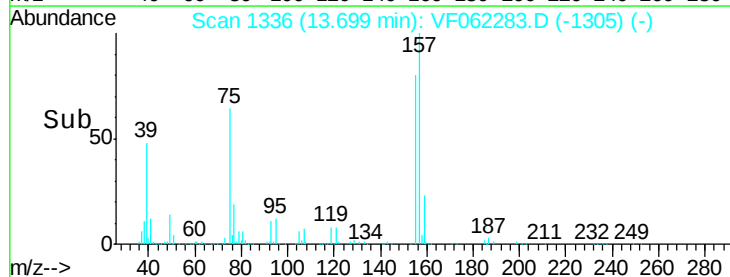
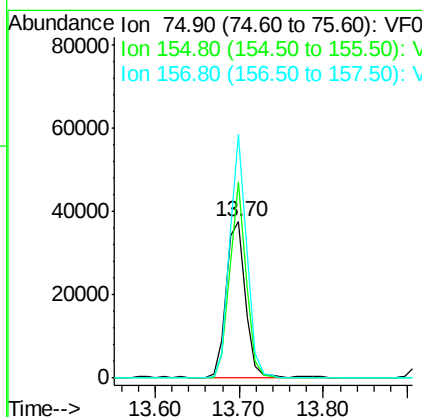
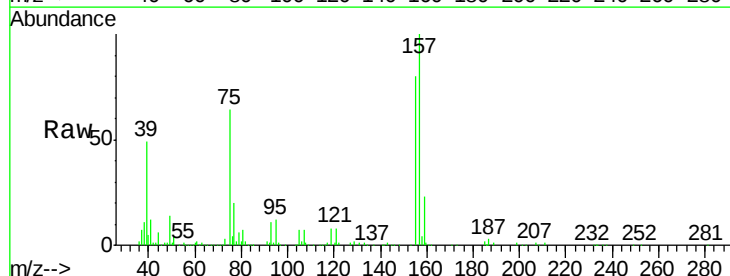
Manual Integrations
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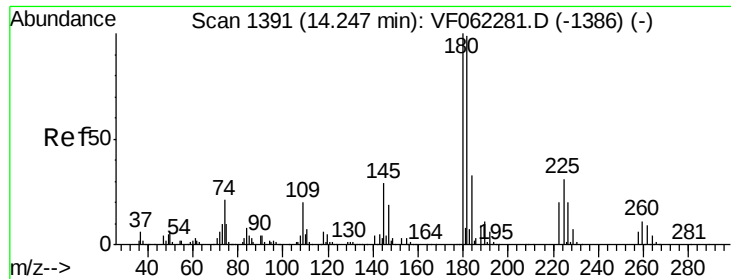
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.325 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	51.7	155.2
157	134.8	64.5	193.5





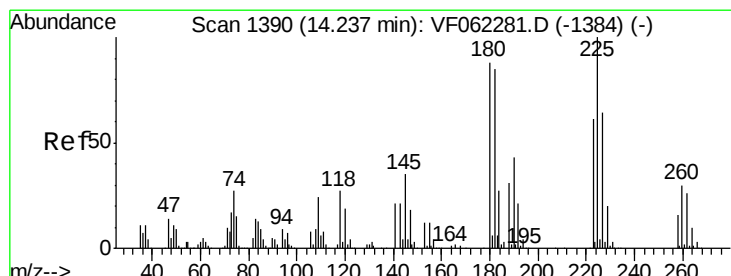
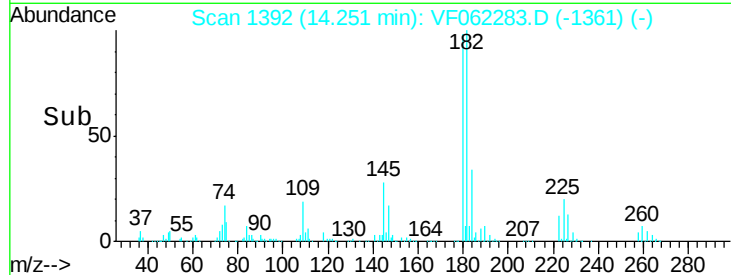
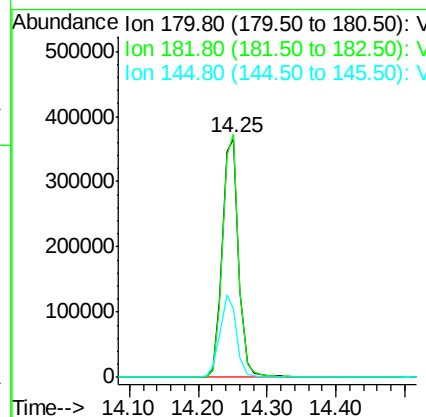
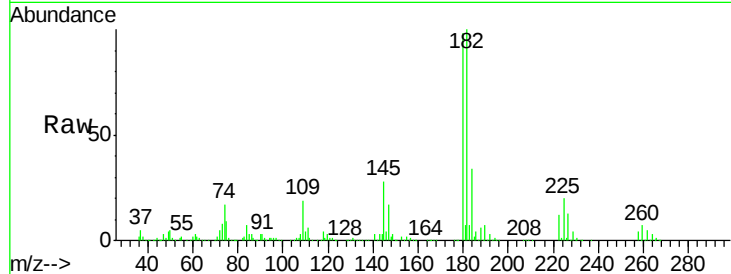
#93
 1,2,4-Trichlorobenzene
 Concen: 82.758 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	604969		
182	99.1	48.5	145.6	
145	34.8	16.7	50.1	

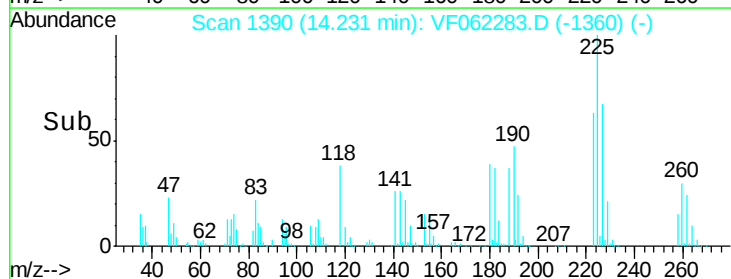
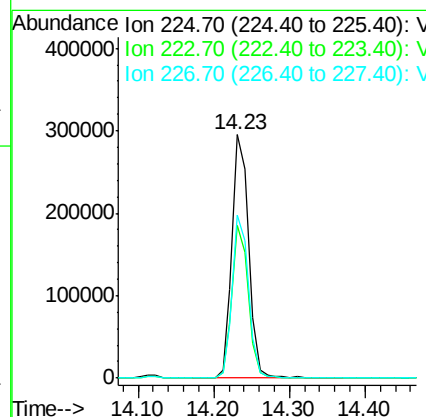
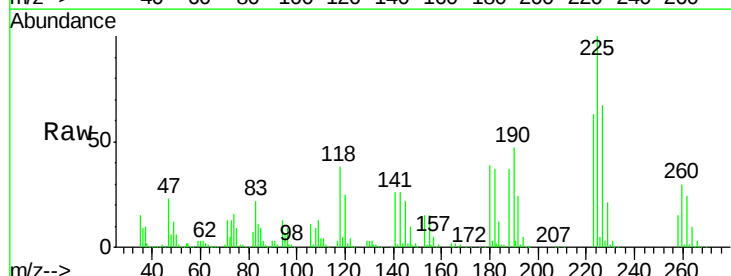
Manual Integrations
 APPROVED

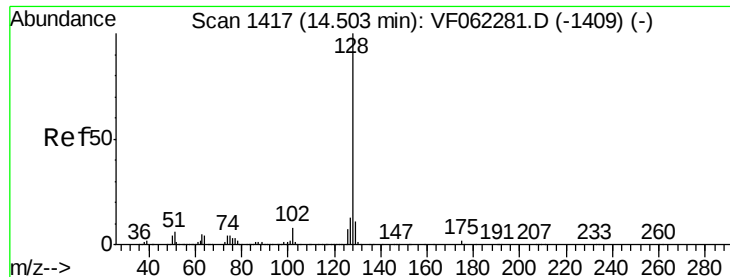
MMDadoda
 4/26/2019 9:21:02 AM



#94
 Hexachlorobutadiene
 Concen: 87.088 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062283.D
 Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	451860		
223	61.5	30.8	92.3	
227	65.4	31.9	95.5	





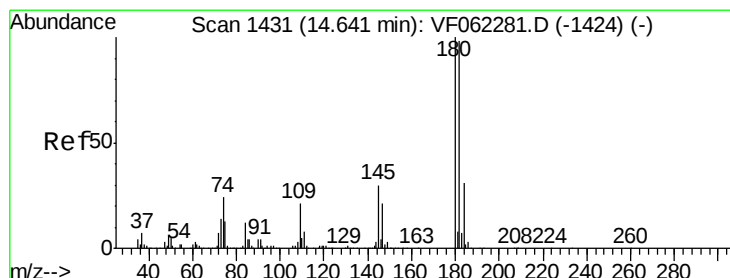
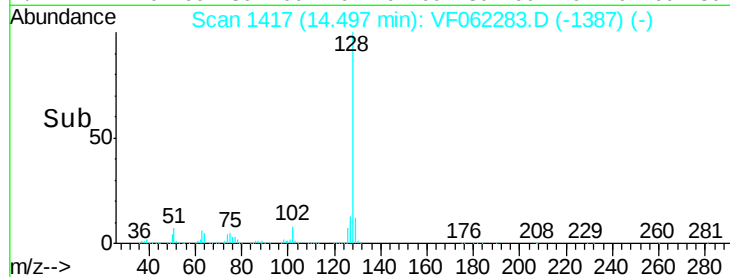
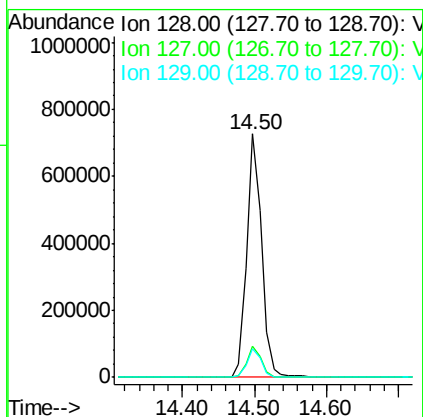
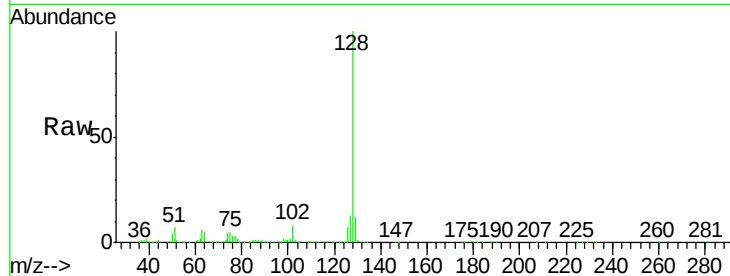
#95
Naphthalene
Concen: 97.288 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:21:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 91.392 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062283.D
Acq: 24 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.5	49.0	147.2
145	30.4	14.5	43.5

