

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062285.D
 Acq On : 24 Apr 2019 17:14
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00u/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 08:31:38 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	505864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	701013	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	514470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	295213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	78696	19.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.36%	
35) Dibromofluoromethane	4.31	113	101827	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	
50) Toluene-d8	7.72	98	252448	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
62) 4-Bromofluorobenzene	11.50	95	102567	19.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	123749	19.773	ug/l	96
3) Chloromethane	1.15	50	101528	19.371	ug/l #	84
4) Vinyl Chloride	1.19	62	96292	19.584	ug/l	98
5) Bromomethane	1.40	94	59677	17.983	ug/l	91
6) Chloroethane	1.44	64	39837	18.491	ug/l	96
7) Trichlorofluoromethane	1.55	101	151235	19.498	ug/l	87
8) Diethyl Ether	1.71	74	27330	19.606	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	96420	19.833	ug/l	97
10) Methyl Iodide	1.99	142	167778	19.826	ug/l	99
11) Tert butyl alcohol	2.71	59	25997	106.442	ug/l	97
12) 1,1-Dichloroethene	1.87	96	80265	17.992	ug/l	94
13) Acrolein	2.11	56	26045	161.016	ug/l	92
14) Allyl chloride	2.20	41	90496	13.455	ug/l #	68
15) Acrylonitrile	3.09	53	70759	100.173	ug/l	98
16) Acetone	2.35	43	94503	103.116	ug/l	99
17) Carbon Disulfide	1.92	76	215481	18.628	ug/l #	91
18) Methyl Acetate	2.47	43	39860	17.541	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	168527	20.503	ug/l	95
20) Methylene Chloride	2.34	84	81573m	14.069	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	84428	19.704	ug/l	97
22) Diisopropyl ether	2.94	45	250677	19.582	ug/l	99
23) Vinyl Acetate	3.35	43	592977	106.916	ug/l	98
24) 1,1-Dichloroethane	3.01	63	142963	19.907	ug/l	100
25) 2-Butanone	4.53	43	153912	105.961	ug/l	96
26) 2,2-Dichloropropane	3.78	77	77994	20.795	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	105044	19.165	ug/l	98
28) Bromochloromethane	3.91	49	62433	19.879	ug/l #	100
29) Tetrahydrofuran	4.29	42	68790	108.656	ug/l	94
30) Chloroform	4.06	83	184056	20.548	ug/l	95
31) Cyclohexane	3.88	56	132668	19.098	ug/l	93
32) 1,1,1-Trichloroethane	4.30	97	151039	22.642	ug/l #	91
36) 1,1-Dichloropropene	4.48	75	130354	19.578	ug/l	98
37) Ethyl Acetate	4.31	43	57321	20.968	ug/l #	96
38) Carbon Tetrachloride	4.19	117	137773m	21.178	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	151355	19.290	ug/l	99
40) Benzene	4.83	78	319632	19.903	ug/l	99
41) Methacrylonitrile	4.94	41	32699	21.414	ug/l #	68
42) 1,2-Dichloroethane	5.13	62	101791	20.640	ug/l	99
43) Isopropyl Acetate	7.12	43	61578	21.356	ug/l #	98
44) Trichloroethene	5.69	130	112898	20.786	ug/l	98
45) 1,2-Dichloropropane	6.41	63	73776	20.855	ug/l	93
46) Dibromomethane	6.27	93	52054	20.314	ug/l	98
47) Bromodichloromethane	6.56	83	121131	20.079	ug/l	95
48) Methyl methacrylate	6.89	41	40293	20.366	ug/l	95
49) 1,4-Dioxane	6.89	88	9922	438.183	ug/l	91
51) 4-Methyl-2-Pentanone	8.42	43	220245	99.831	ug/l	99
52) Toluene	7.78	92	185836	20.176	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	95543	21.747	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	118193	20.718	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	53208	21.136	ug/l	94
56) Ethyl methacrylate	8.76	69	55456	19.705	ug/l	96
57) 1,3-Dichloropropane	9.01	76	85991	21.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	93818	107.911	ug/l	99
59) 2-Hexanone	9.63	43	154270	71.706	ug/l	97
60) Dibromochloromethane	8.87	129	85877	21.170	ug/l	100
61) 1,2-Dibromoethane	9.14	107	60747	20.707	ug/l	98
64) Tetrachloroethene	8.31	164	93143	21.063	ug/l	95
65) Chlorobenzene	9.94	112	197652	20.714	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	92953	20.210	ug/l	98
67) Ethyl Benzene	10.04	91	350928	20.733	ug/l	95
68) m/p-Xylenes	10.27	106	257287	41.169	ug/l	96
69) o-Xylene	10.82	106	145367	20.721	ug/l	98
70) Styrene	10.90	104	213872	21.073	ug/l	98
71) Bromoform	10.88	173	54855	21.975	ug/l #	97
73) Isopropylbenzene	11.22	105	419219	19.891	ug/l	99
74) N-amyl acetate	11.45	43	98618	20.609	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	69492	22.048	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	45483	19.998	ug/l #	100
77) Bromobenzene	11.59	156	107494	21.147	ug/l	99
78) n-propylbenzene	11.68	91	453267	20.666	ug/l	100
79) 2-Chlorotoluene	11.81	91	267039	20.486	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	375305	21.282	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	22433m	16.985	ug/l	
82) 4-Chlorotoluene	11.97	91	272116	21.066	ug/l	99
83) tert-Butylbenzene	12.20	119	376803	20.379	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	352620	20.333	ug/l	98
85) sec-Butylbenzene	12.38	105	464850	20.253	ug/l	98
86) p-Isopropyltoluene	12.53	119	423161	20.712	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	189650	20.504	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	182469	21.039	ug/l	99
89) n-Butylbenzene	12.90	91	384900	20.201	ug/l	97
90) Hexachloroethane	12.98	117	101944	20.111	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	186392	20.963	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	12796	19.973	ug/l	91

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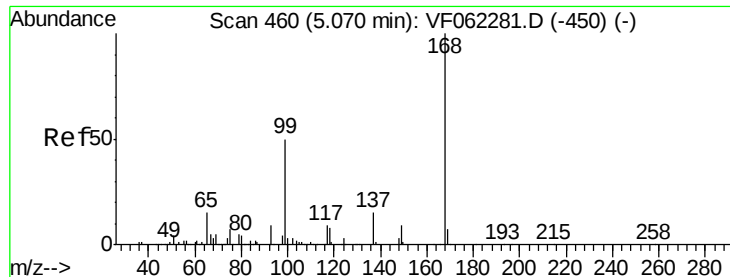
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	162612	20.642	ug/l	100
94) Hexachlorobutadiene	14.23	225	116530	20.840	ug/l	99
95) Naphthalene	14.50	128	241849	20.676	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	153713	21.199	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 505864

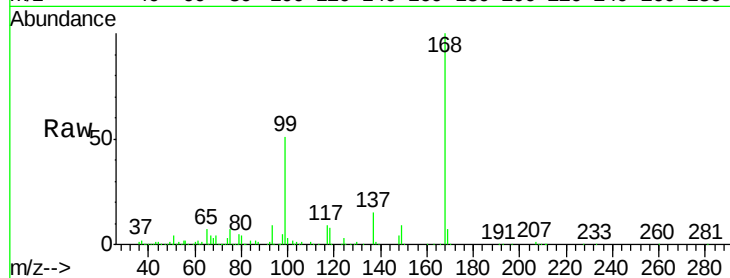
Ion Ratio Lower Upper

168 100

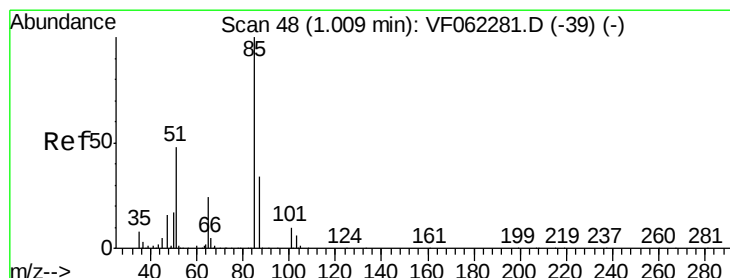
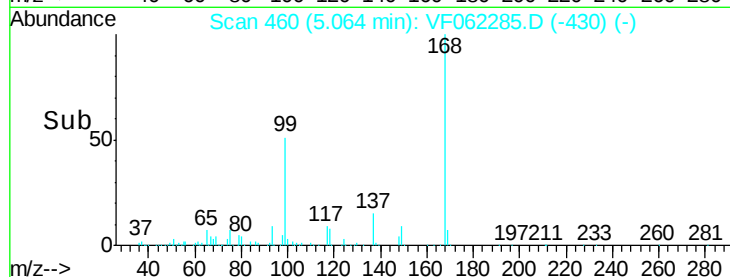
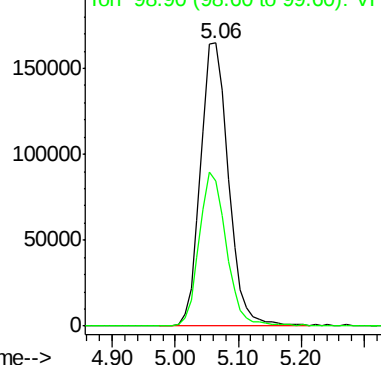
99 51.3 40.0 60.0

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): VF0



#2

Dichlorodifluoromethane

Concen: 19.773 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062285.D

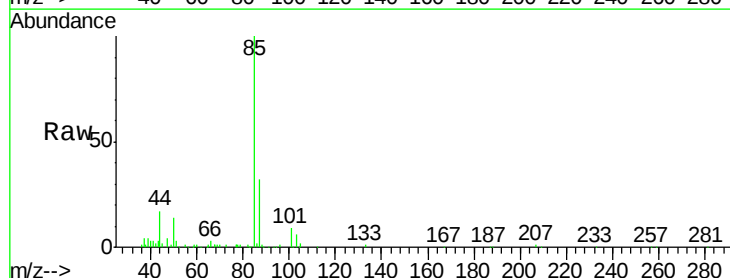
Acq: 24 Apr 2019 17:14

Tgt Ion: 85 Resp: 123749

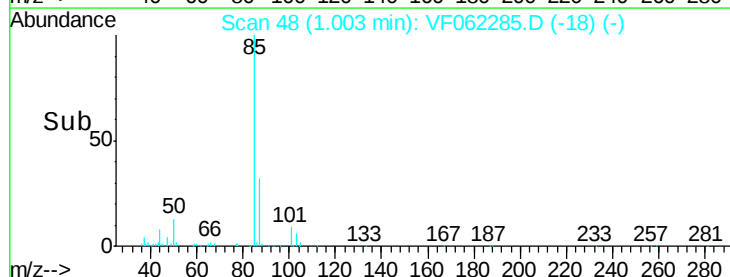
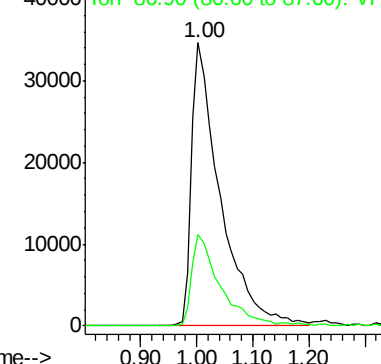
Ion Ratio Lower Upper

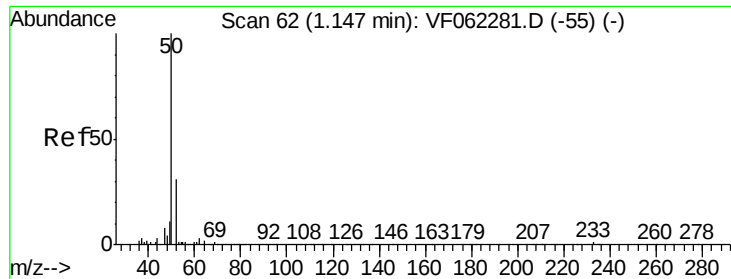
85 100

87 32.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0





#3

Chloromethane

Concen: 19.371 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 101528

Ion Ratio Lower Upper

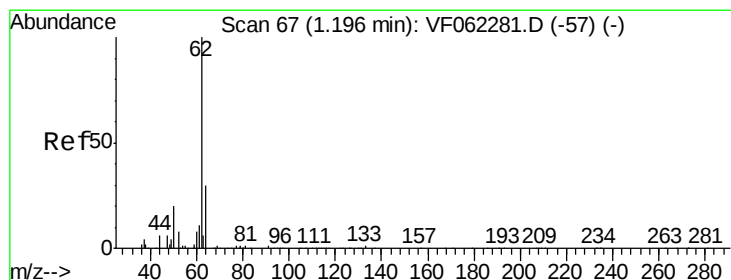
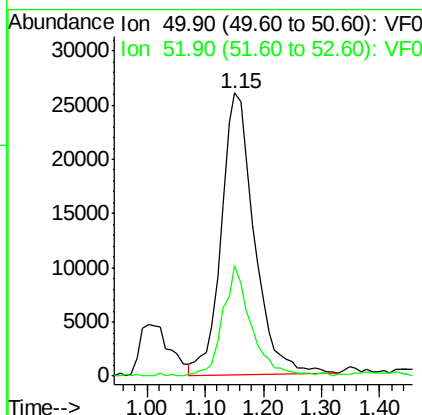
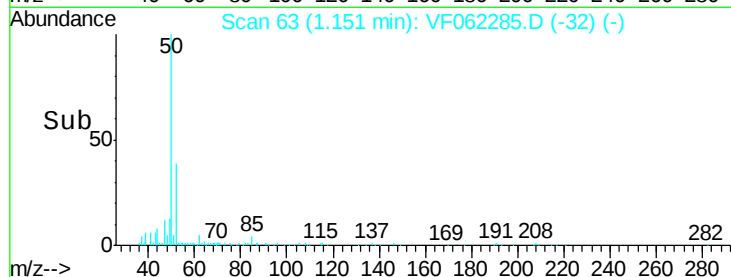
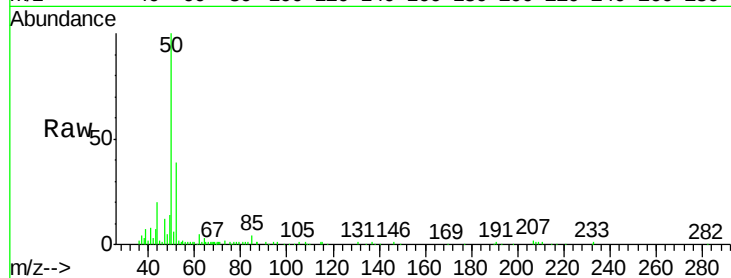
50 100

52 39.2 24.2 36.4#

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.584 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062285.D

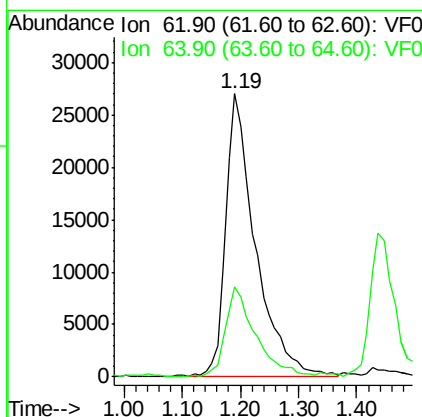
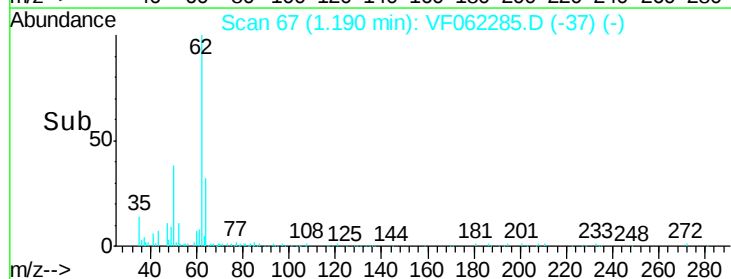
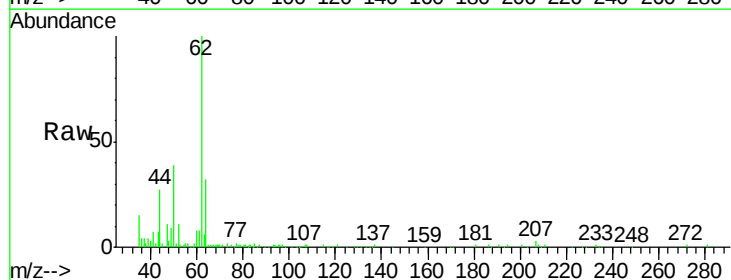
Acq: 24 Apr 2019 17:14

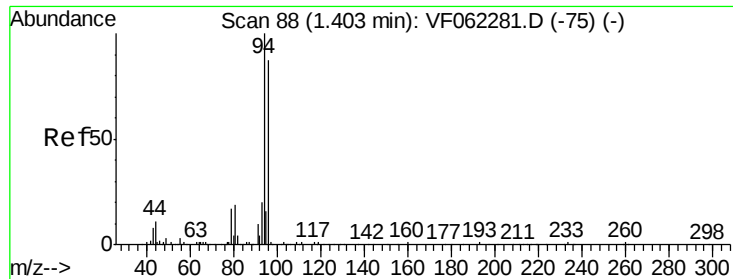
Tgt Ion: 62 Resp: 96292

Ion Ratio Lower Upper

62 100

64 31.6 24.3 36.5





#5

Bromomethane

Concen: 17.983 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 59677

Ion Ratio Lower Upper

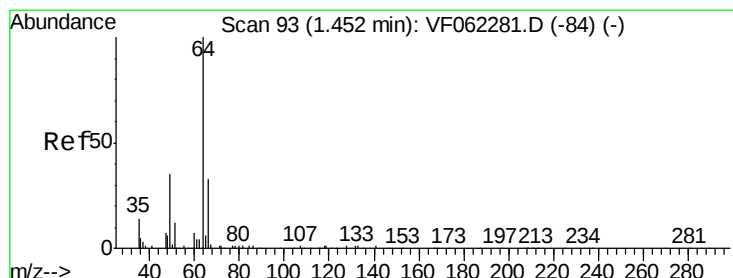
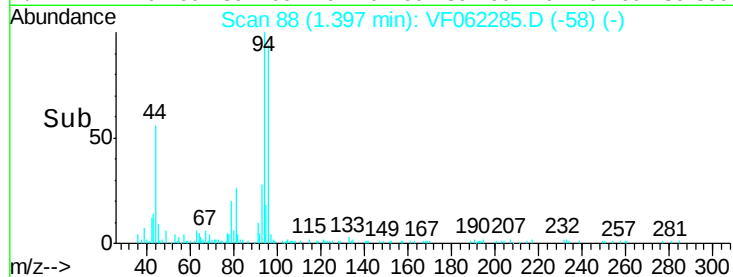
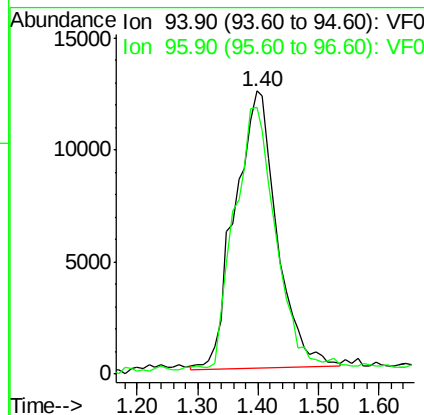
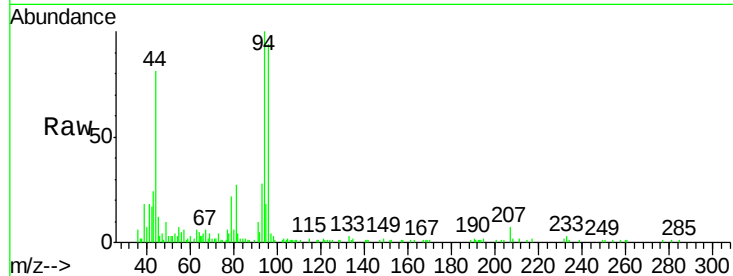
94 100

96 94.8 69.5 104.3

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#6

Chloroethane

Concen: 18.491 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.02 min

Lab File: VF062285.D

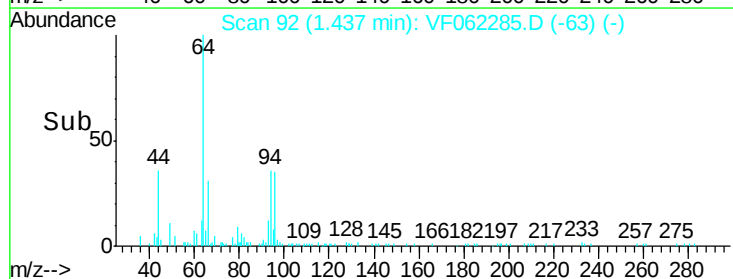
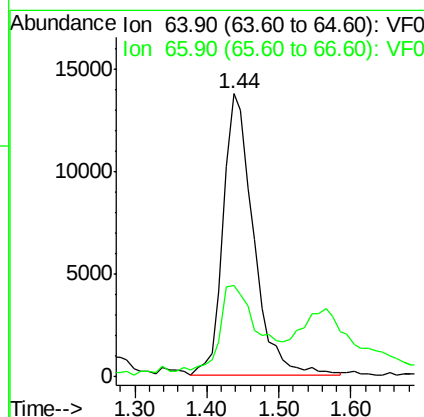
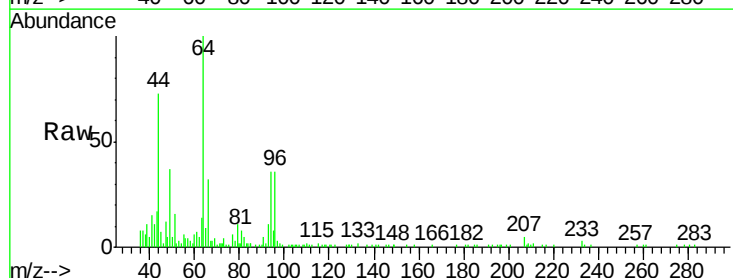
Acq: 24 Apr 2019 17:14

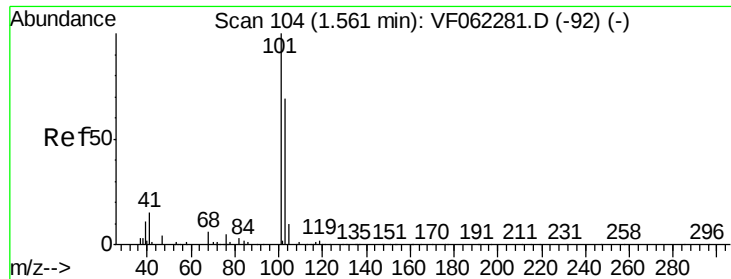
Tgt Ion: 64 Resp: 39837

Ion Ratio Lower Upper

64 100

66 30.0 26.0 39.0





#7

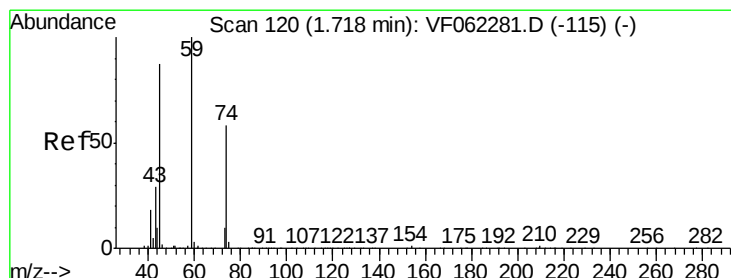
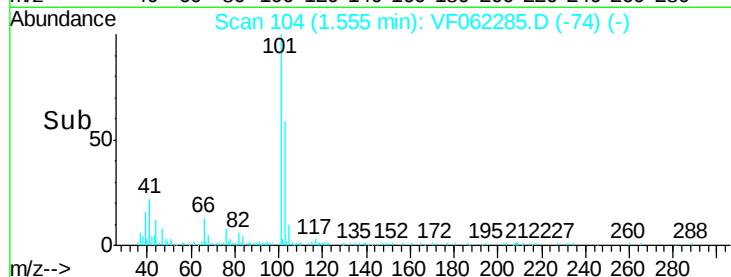
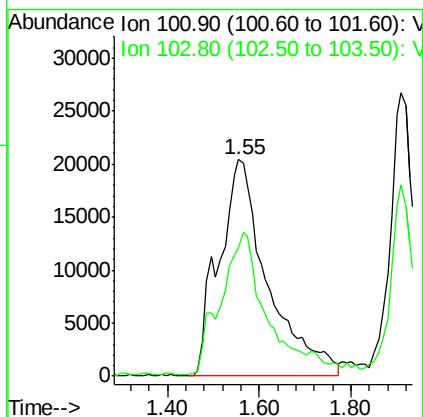
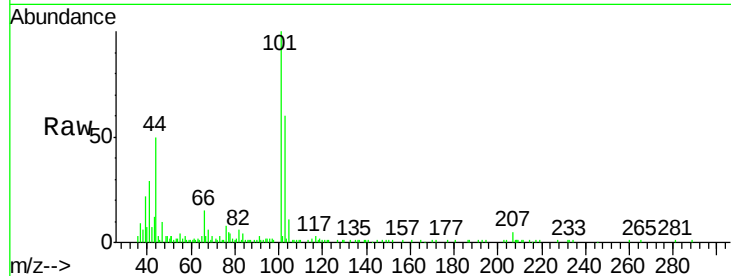
Trichlorofluoromethane
Concen: 19.498 ug/l
RT: 1.55 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.4	55.0	82.6

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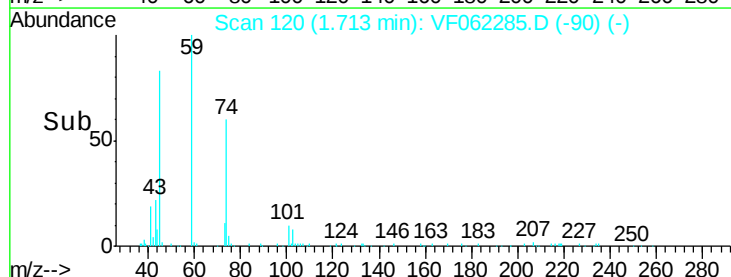
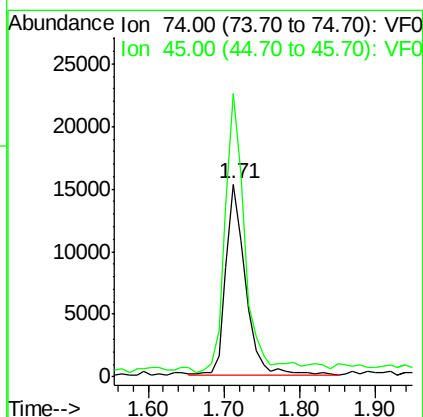
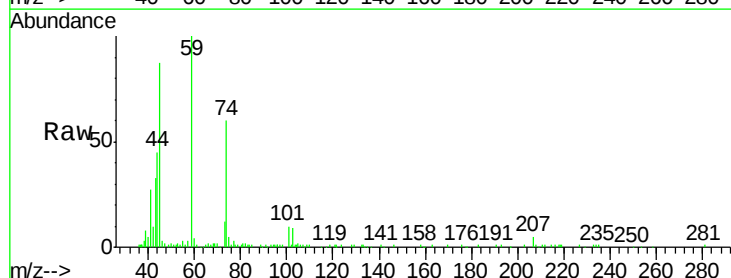
MMDadoda
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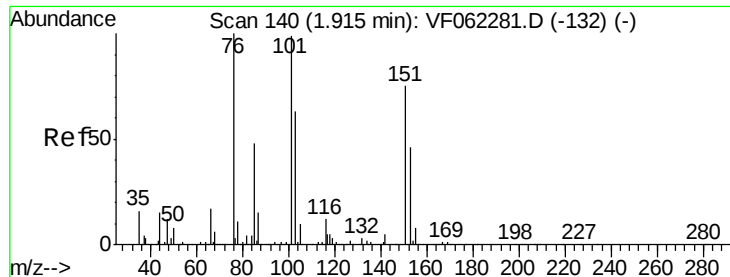


#8

Diethyl Ether
Concen: 19.606 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	143.0	74.0	222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.833 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

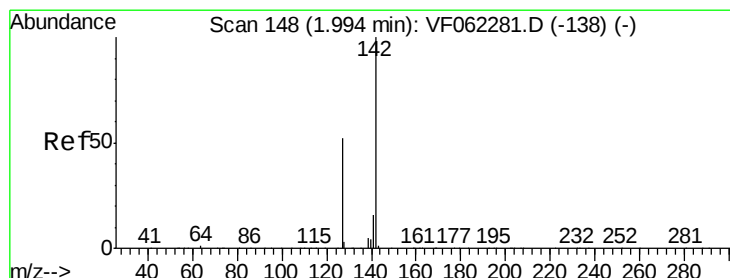
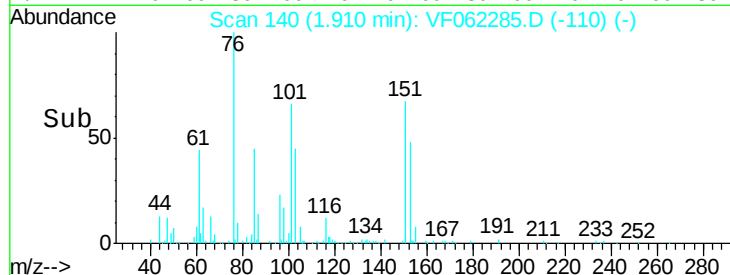
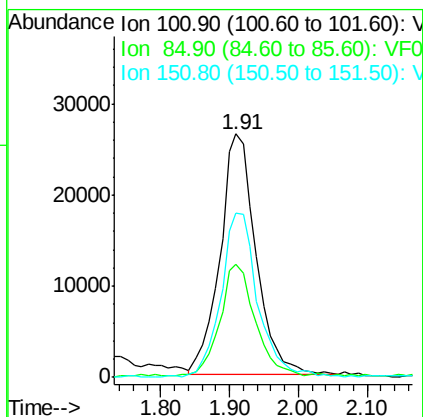
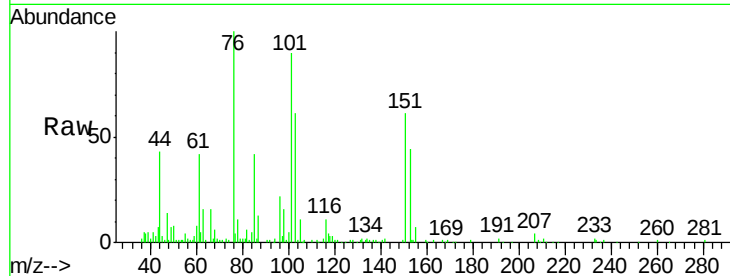
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	96420
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.5	54.7
151	70.0	59.2	88.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.826 ug/l

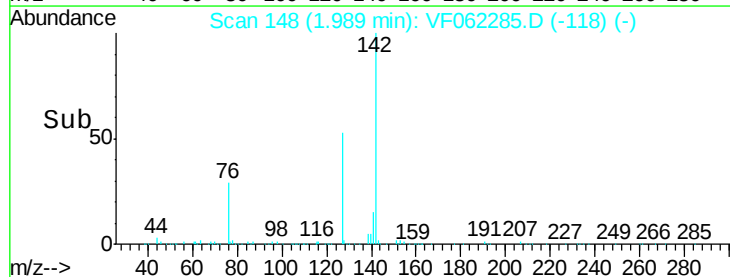
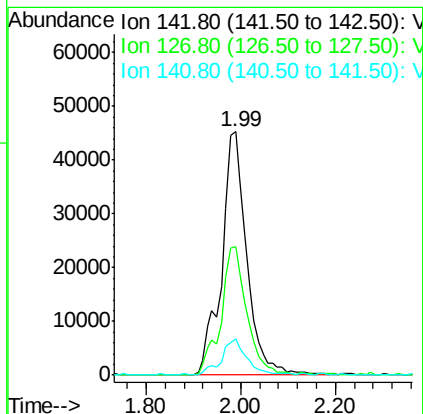
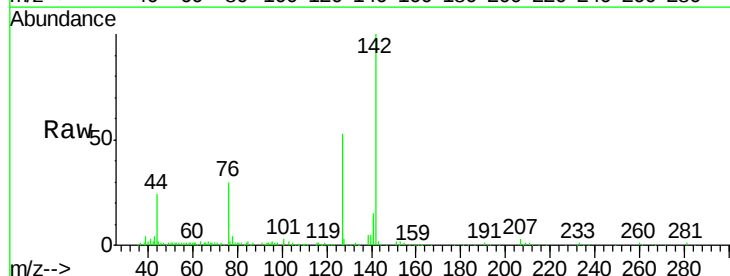
RT: 1.99 min Scan# 148

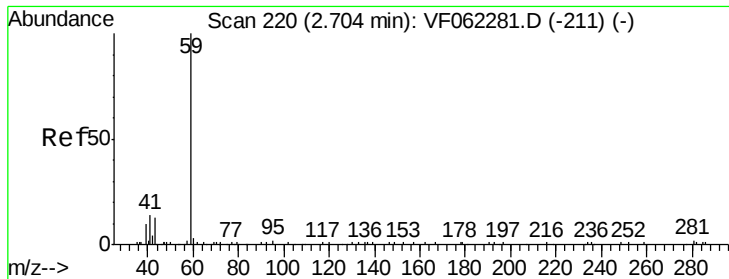
Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:	142	Resp:	167778
Ion Ratio	Lower	Upper	
142	100		
127	54.3	43.0	64.4
141	14.2	12.3	18.5





#11

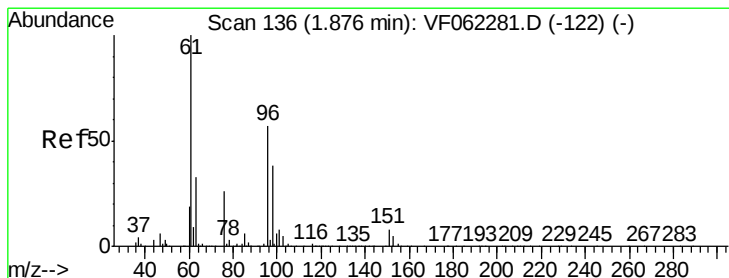
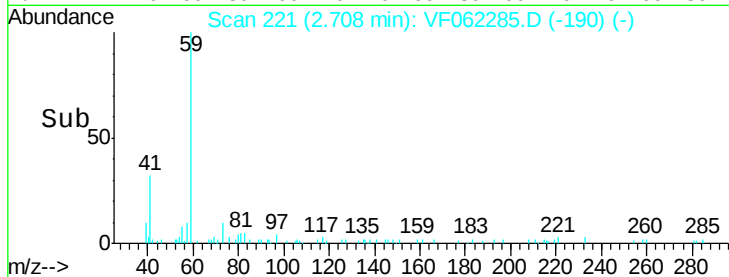
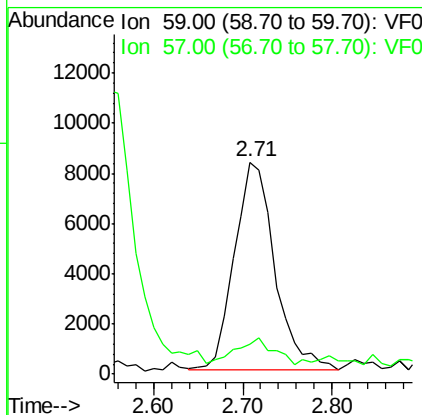
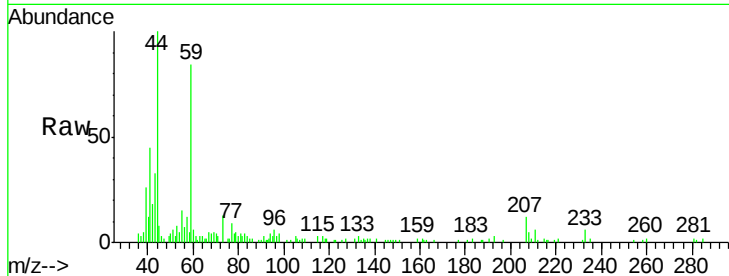
Tert butyl alcohol
Concen: 106.442 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	25997
Ion Ratio	100	Lower	Upper
57	12.1	8.8	13.2

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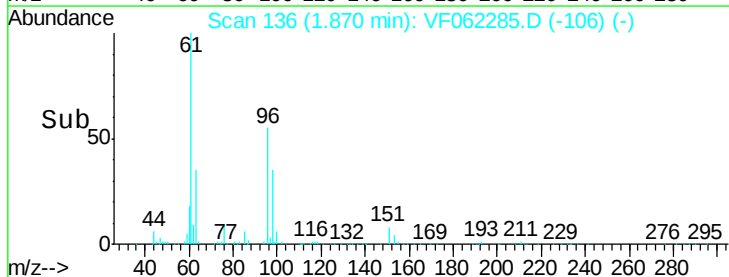
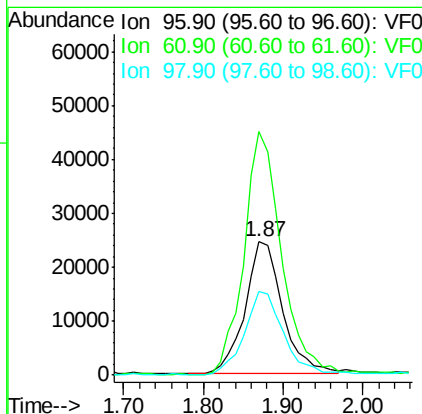
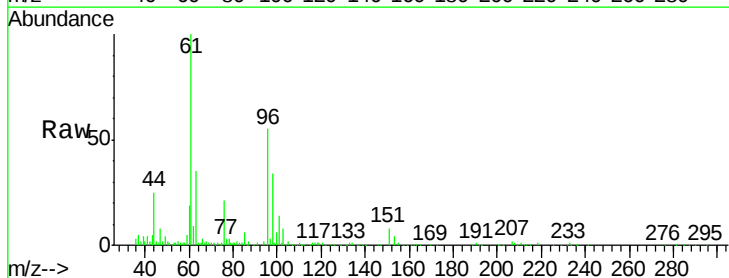
MMDadoda
4/26/2019 9:21:02 AM

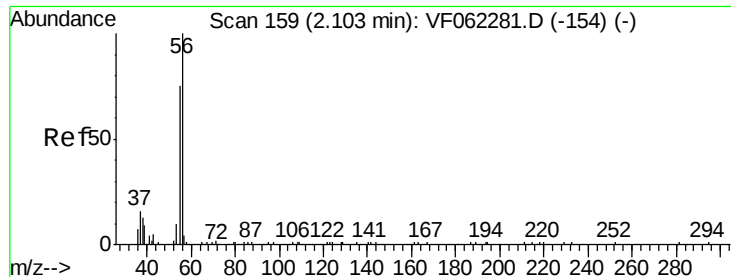


#12

1,1-Dichloroethene
Concen: 17.992 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	96	Resp	80265
Ion Ratio	100	Lower	Upper
61	184.4	141.1	211.7
98	62.6	53.4	80.0





#13

Acrolein

Concen: 161.016 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 26045

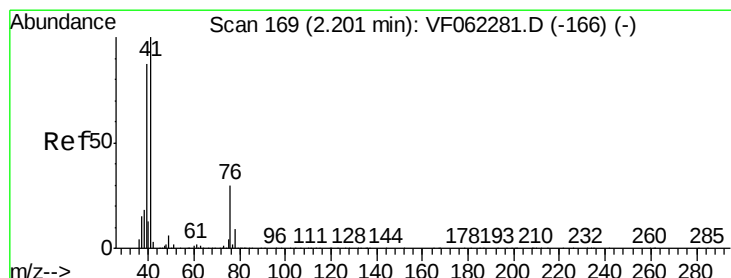
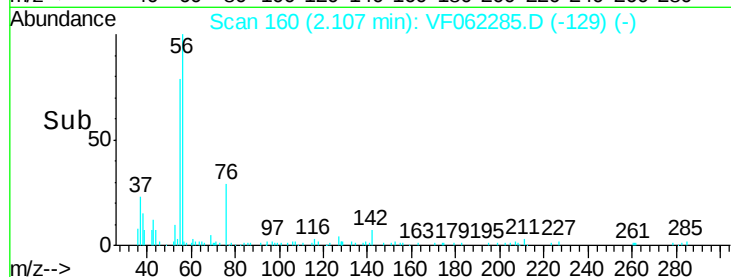
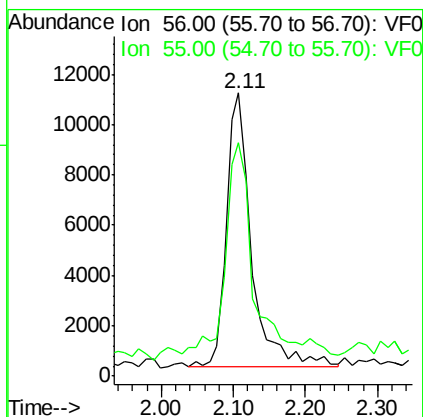
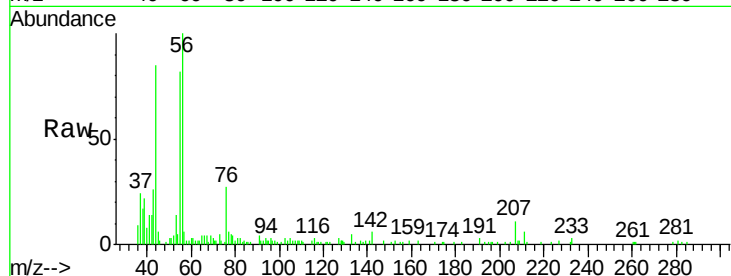
Ion Ratio Lower Upper

56 100

55 85.1 62.3 93.5

Manual Integrations
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MMDadoda
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#14

Allyl chloride

Concen: 13.455 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

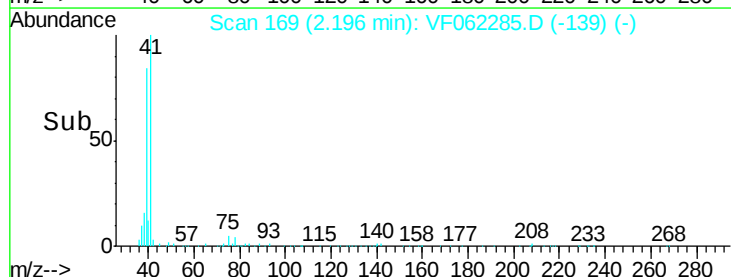
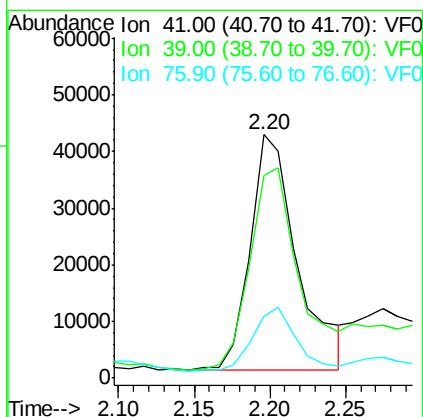
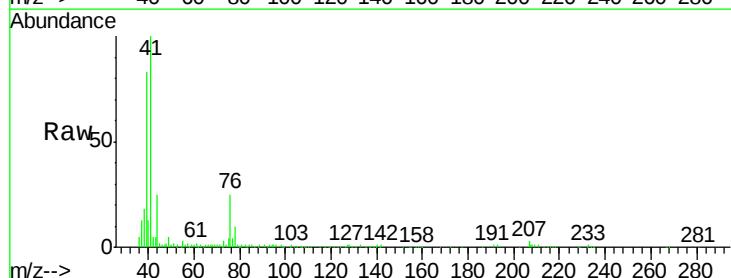
Tgt Ion: 41 Resp: 90496

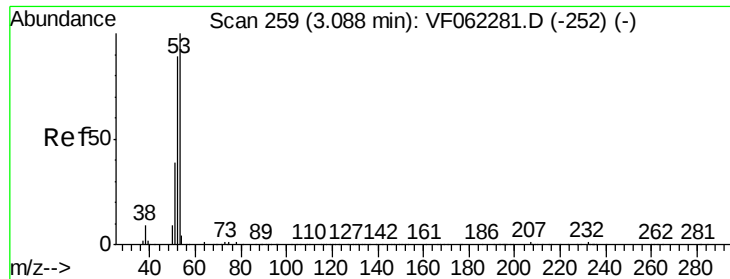
Ion Ratio Lower Upper

41 100

39 90.9 50.3 75.5#

76 26.9 14.8 22.2#





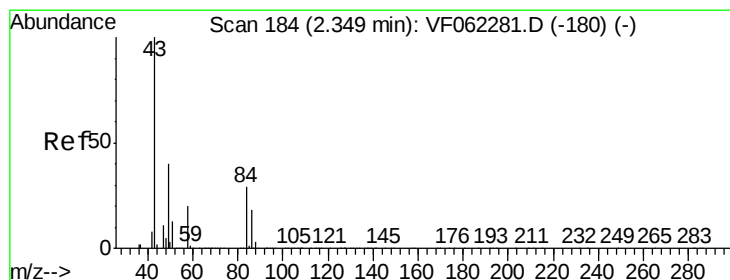
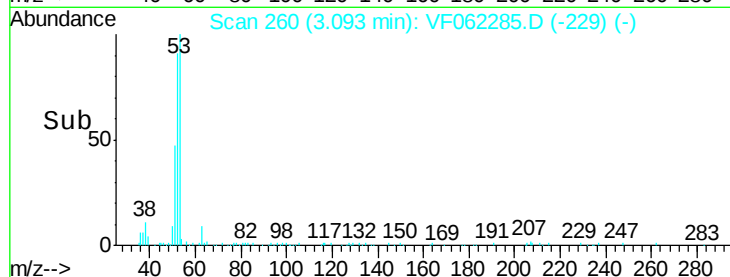
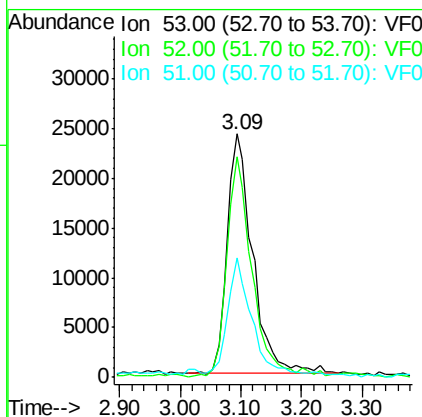
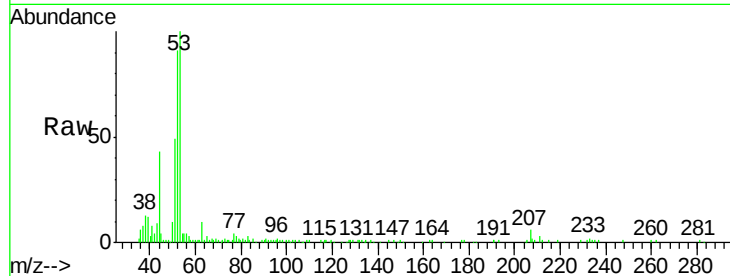
#15
 Acrylonitrile
 Concen: 100.173 ug/l
 RT: 3.09 min Scan# 260
 Delta R.T. 0.00 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion:	53	Resp:	70759
Ion	Ratio	Lower	Upper
53	100		
52	89.6	70.6	105.8
51	43.2	32.6	48.8

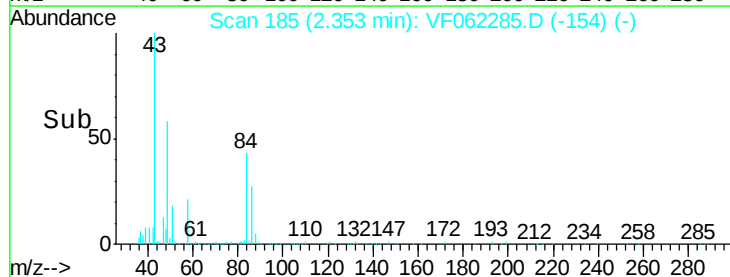
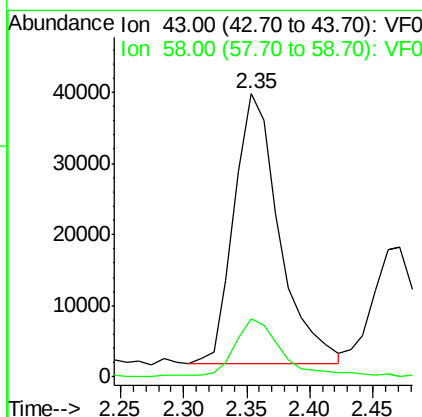
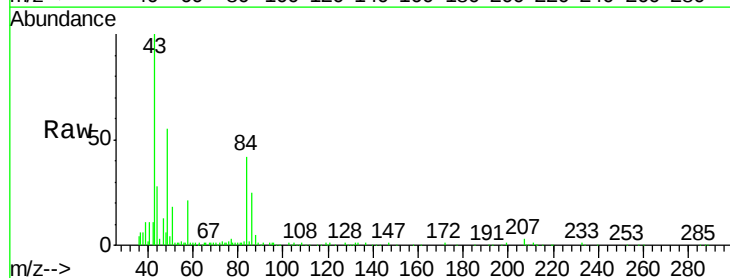
Manual Integrations
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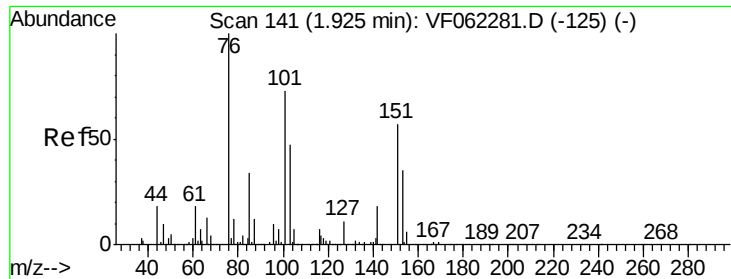
MMDadoda
 4/26/2019 9:21:02 AM



#16
 Acetone
 Concen: 103.116 ug/l
 RT: 2.35 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion:	43	Resp:	94503
Ion	Ratio	Lower	Upper
43	100		
58	21.2	16.4	24.6





#17

Carbon Disulfide

Concen: 18.628 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 215481

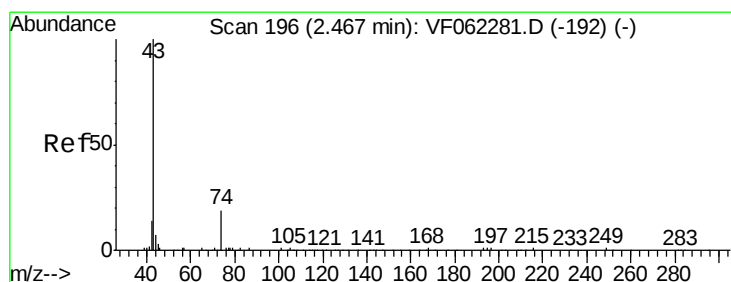
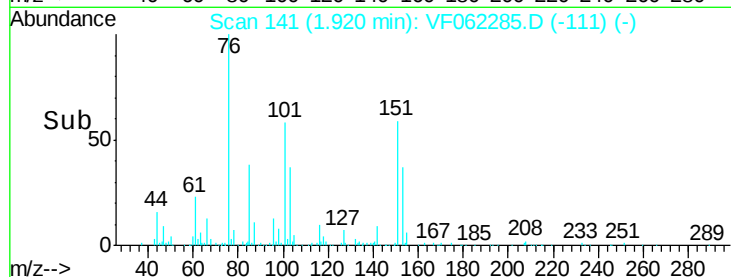
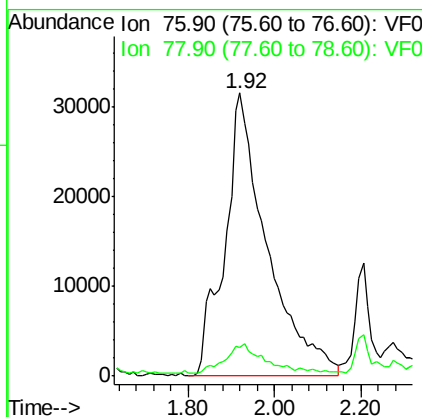
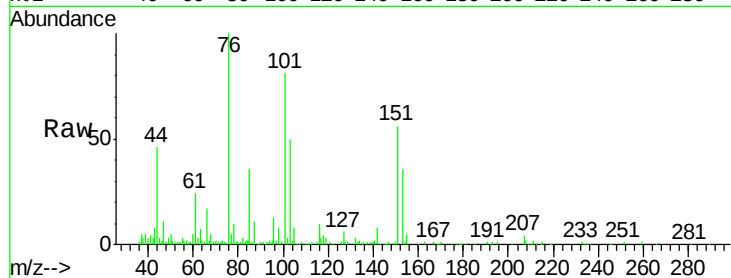
Ion Ratio Lower Upper

76 100

78 8.9 9.8 14.8#

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



#18

Methyl Acetate

Concen: 17.541 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062285.D

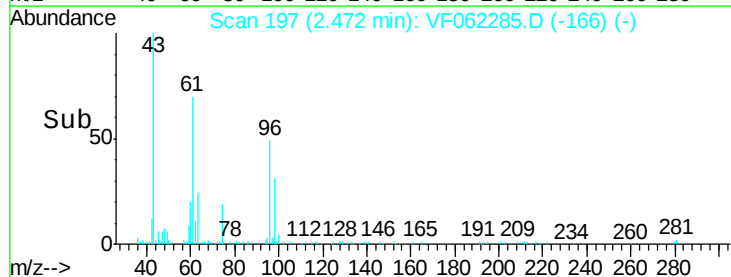
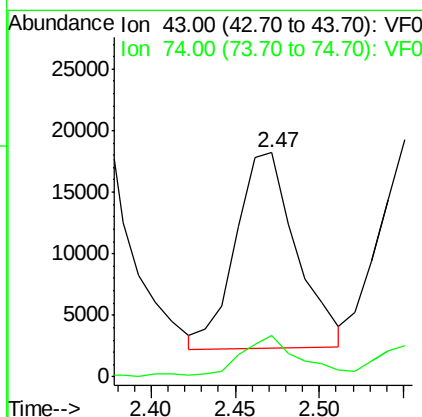
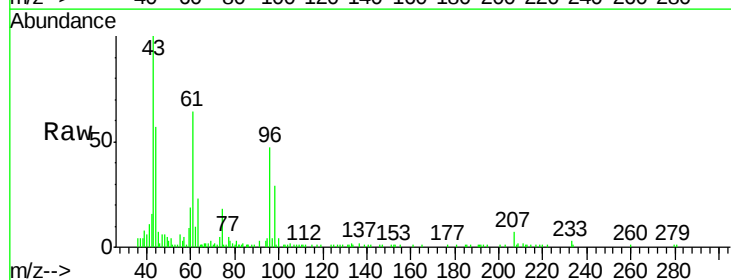
Acq: 24 Apr 2019 17:14

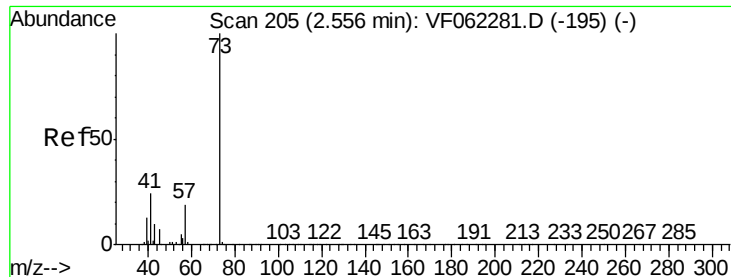
Tgt Ion: 43 Resp: 39860

Ion Ratio Lower Upper

43 100

74 20.2 14.4 21.6





#19

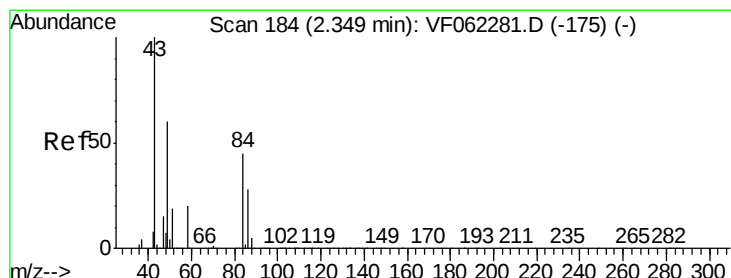
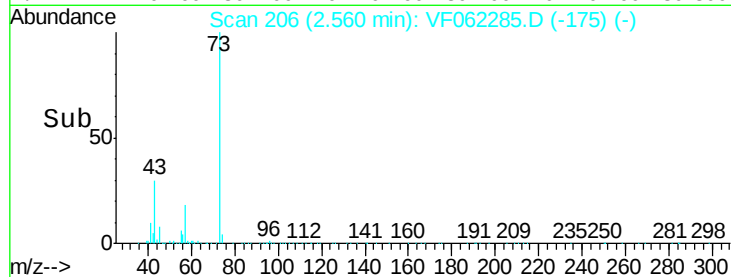
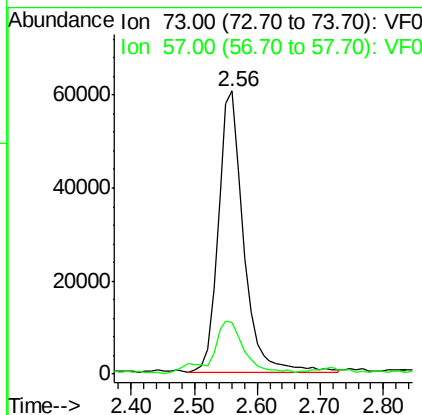
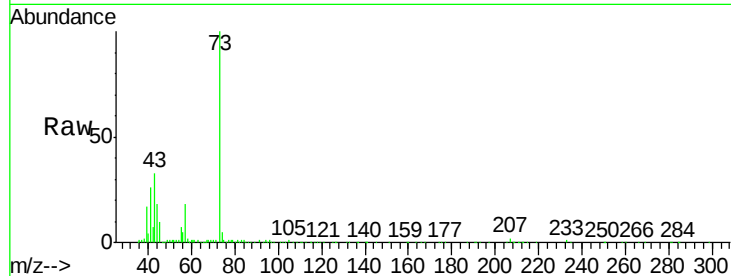
Methyl tert-butyl Ether
 Concen: 20.503 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.0	15.5	23.3

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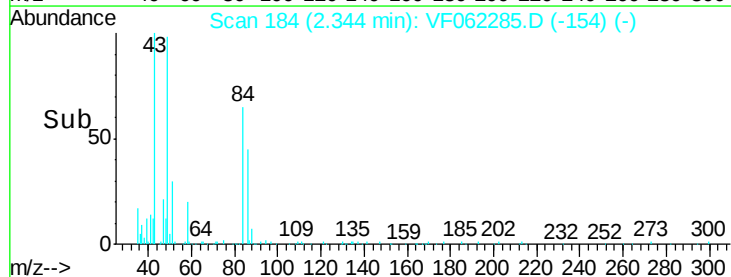
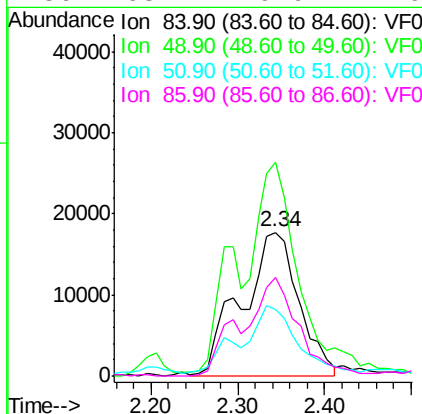
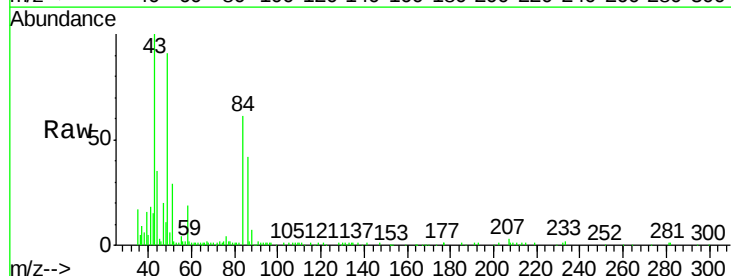
MMDadoda
 4/26/2019 9:21:02 AM

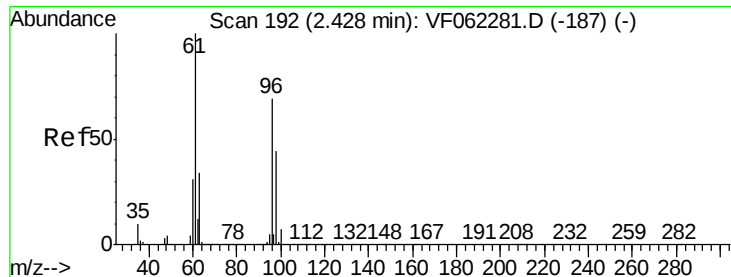


#20

Methylene Chloride
 Concen: 14.069 ug/l m
 RT: 2.34 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.4	112.1	168.1
51	46.6	35.9	53.9
86	68.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.704 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.00 min

Lab File: VF062285.D

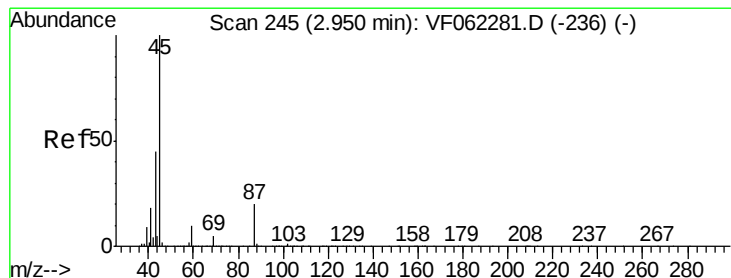
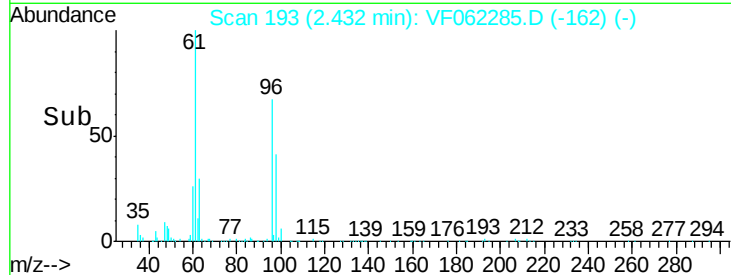
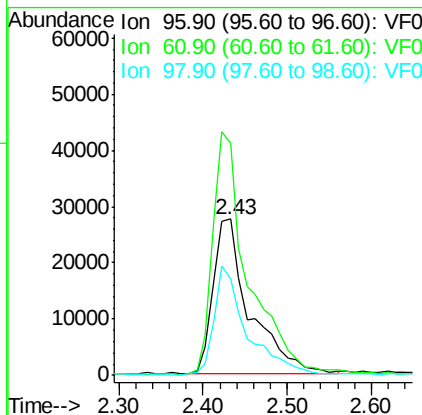
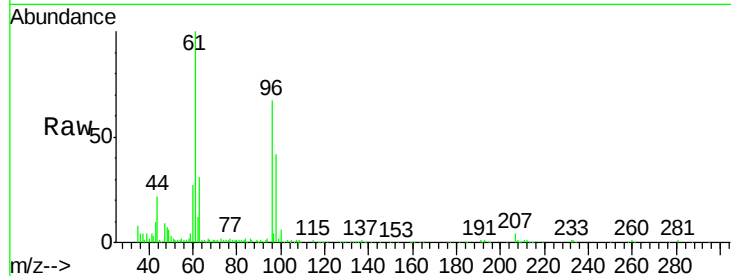
Acq: 24 Apr 2019 17:14

Tot Ion:	96	Resp:	84428
Ion	Ratio	Lower	Upper
96	100		
61	148.4	116.2	174.2
98	61.6	51.4	77.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.582 ug/l

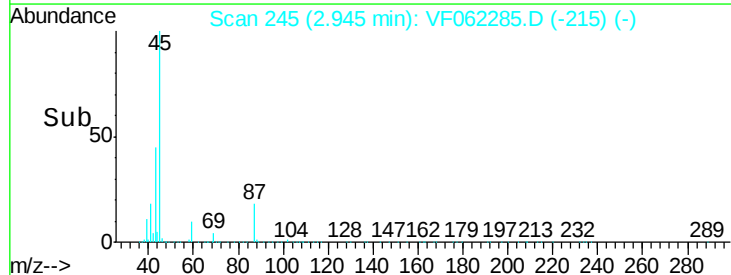
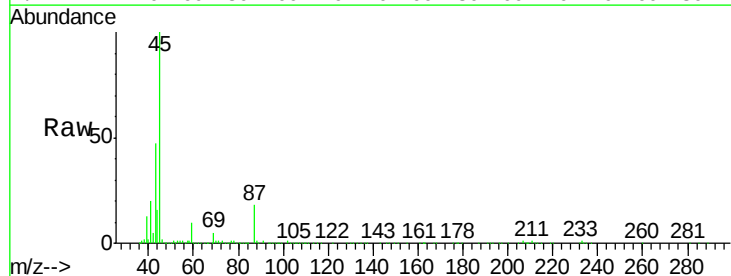
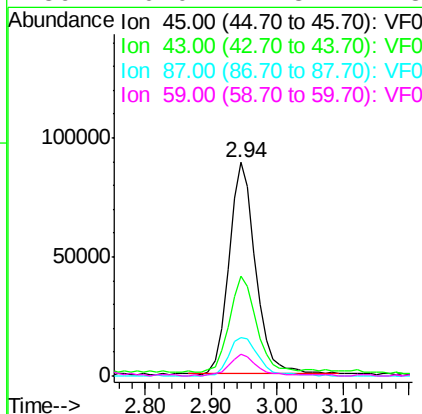
RT: 2.94 min Scan# 245

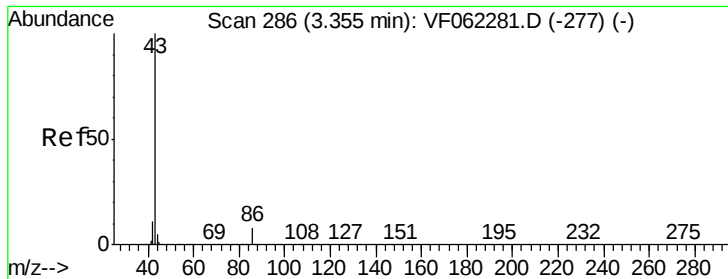
Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:	45	Resp:	250677
Ion	Ratio	Lower	Upper
45	100		
43	45.2	36.2	54.2
87	18.3	15.8	23.6
59	10.0	7.8	11.8





#23

Vinyl Acetate

Concen: 106.916 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 592977

Ion Ratio Lower Upper

43 100

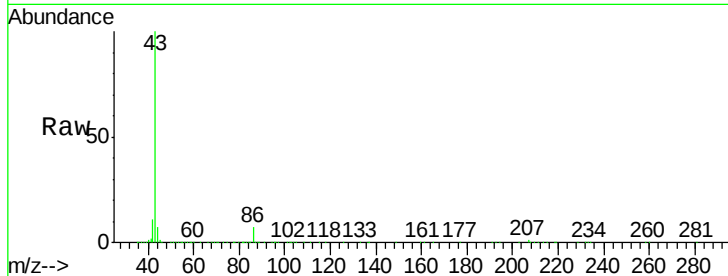
86 6.8 6.0 9.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

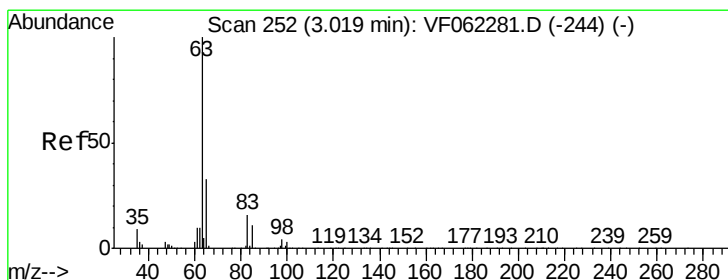
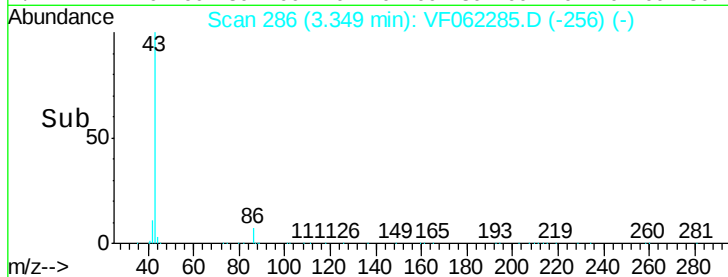
100000

50000

0

3.20 3.30 3.40 3.50 3.60

Time-->



#24

1,1-Dichloroethane

Concen: 19.907 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

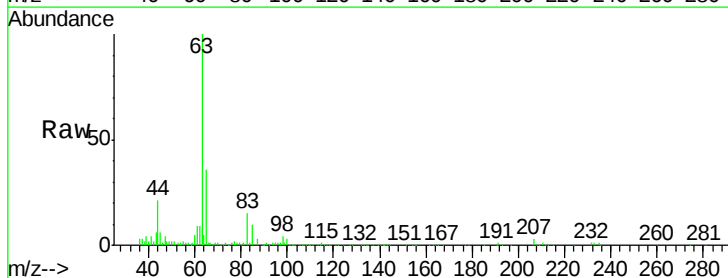
Tgt Ion: 63 Resp: 142963

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

100 3.0 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

60000

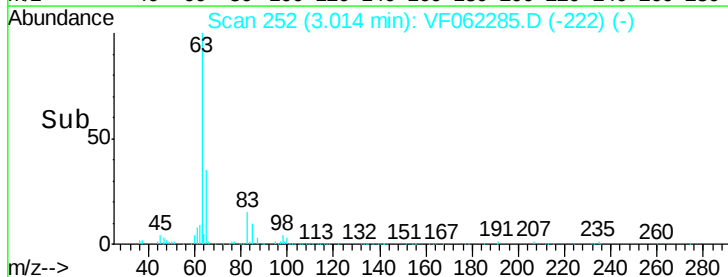
40000

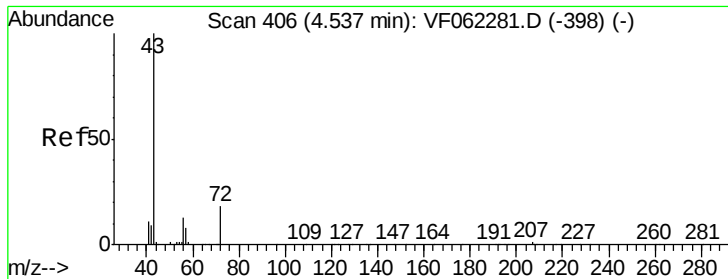
20000

0

2.80 3.00 3.20

Time-->





#25

2-Butanone

Concen: 105.961 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 153912

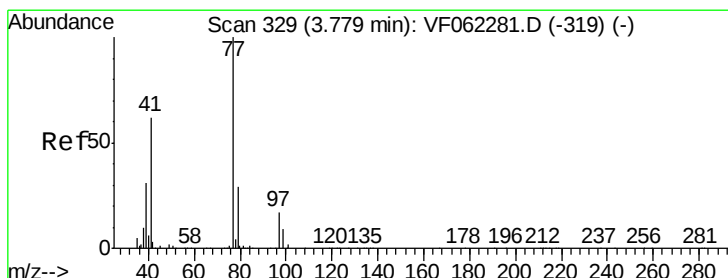
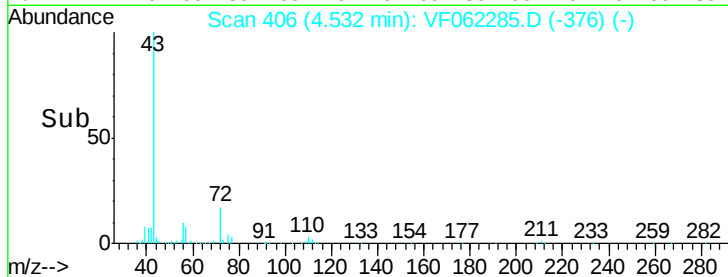
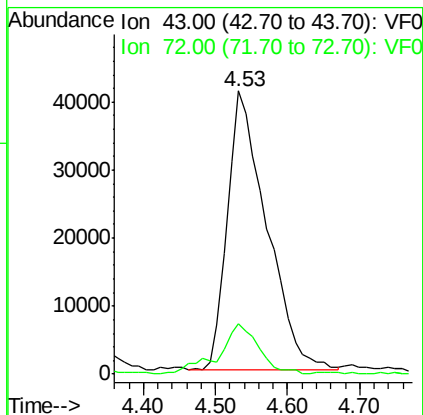
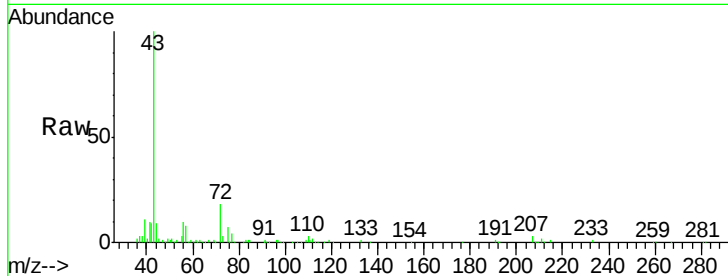
Ion Ratio Lower Upper

43 100

72 17.7 15.8 23.6

Manual Integrations
APPROVED

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



#26

2,2-Dichloropropane

Concen: 20.795 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.00 min

Lab File: VF062285.D

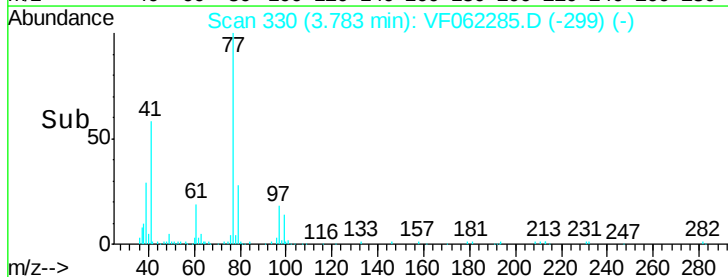
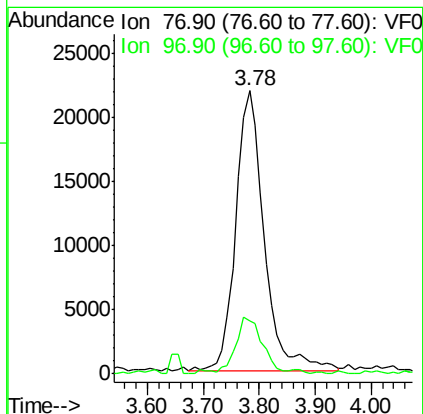
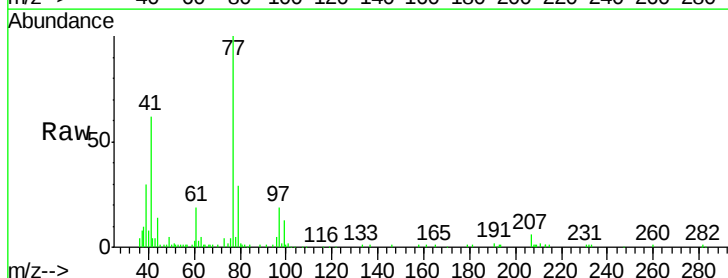
Acq: 24 Apr 2019 17:14

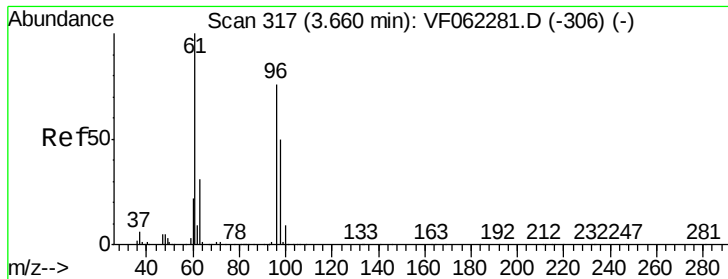
Tgt Ion: 77 Resp: 77994

Ion Ratio Lower Upper

77 100

97 19.5 10.3 30.8





#27

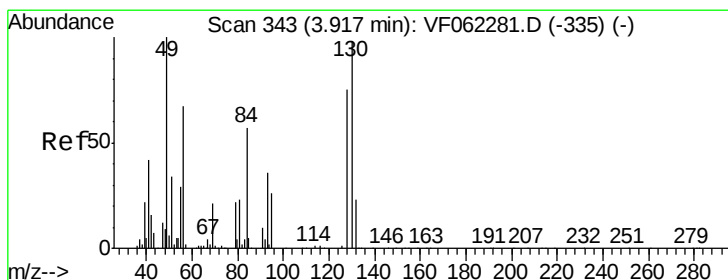
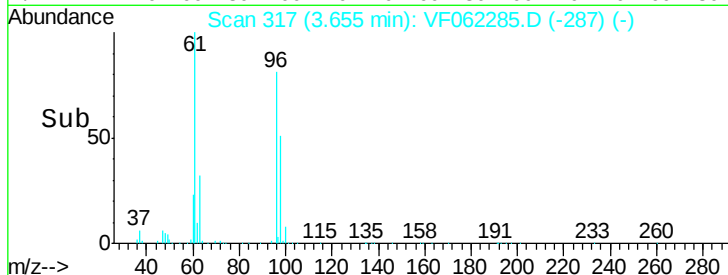
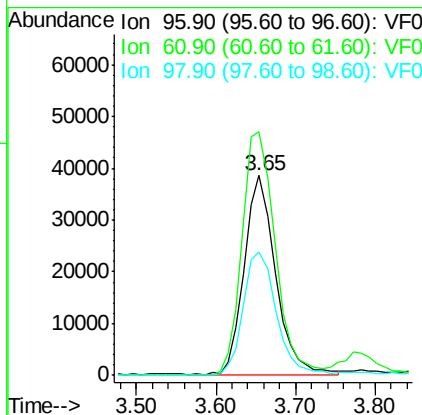
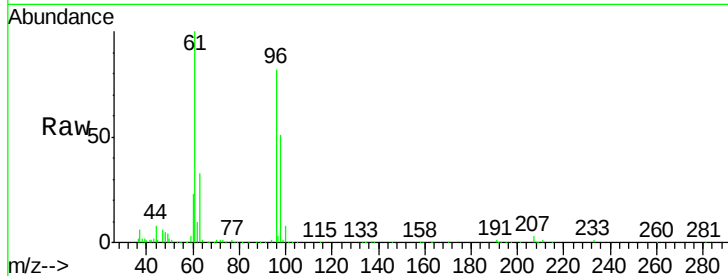
cis-1,2-Dichloroethene
 Concen: 19.165 ug/l
 RT: 3.65 min Scan# 317
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.7	0.0	257.6	
98	65.5	0.0	137.4	

Manual Integrations
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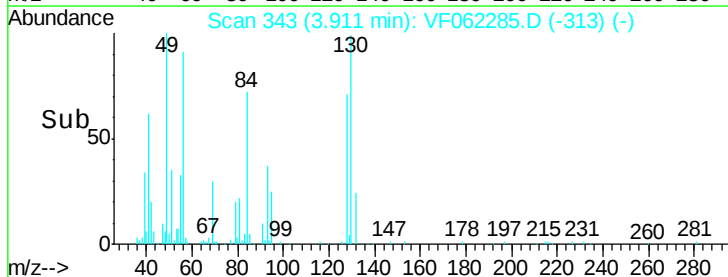
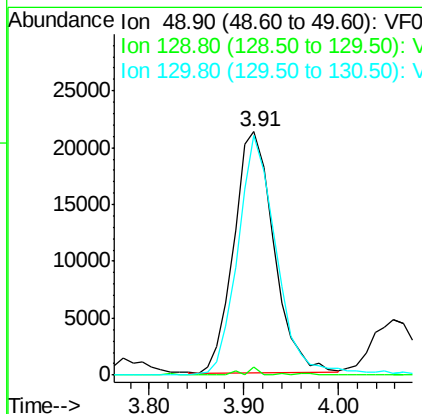
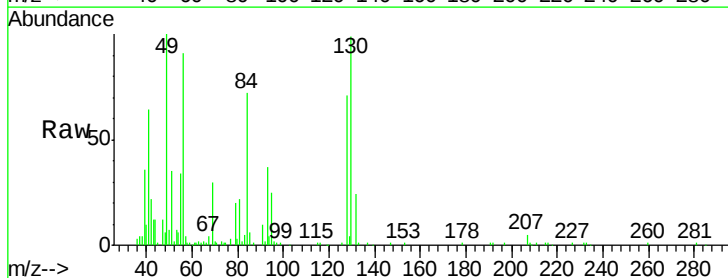
MMDadoda
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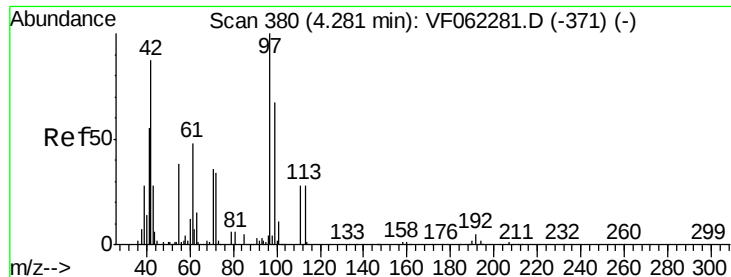


#28

Bromochloromethane
 Concen: 19.879 ug/l
 RT: 3.91 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	0.0#	
130	96.4	77.0	115.4	





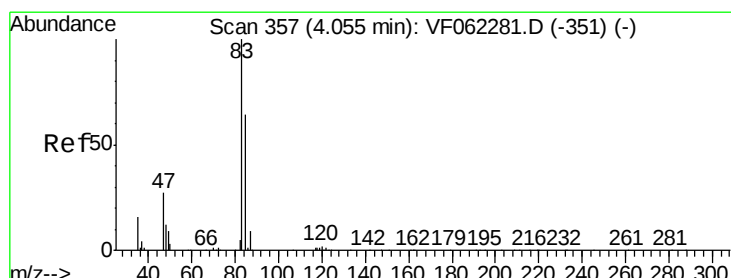
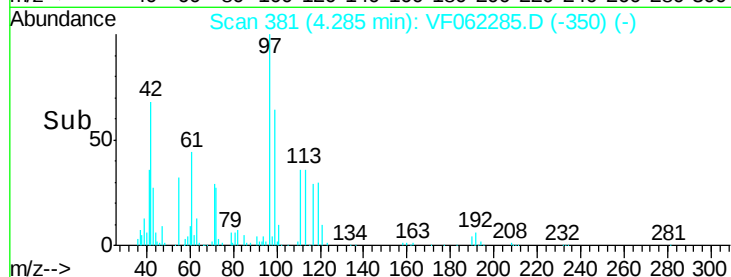
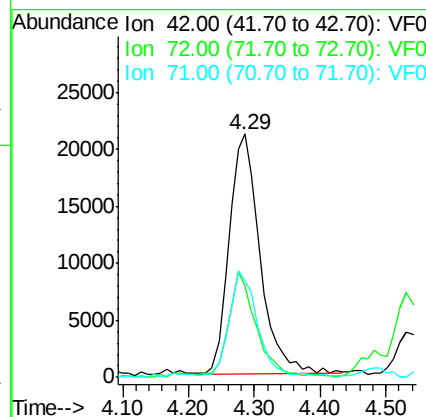
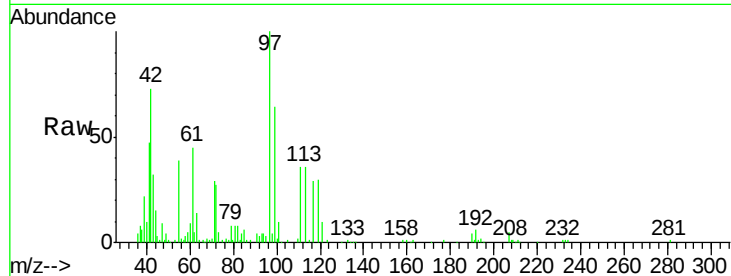
#29
Tetrahydrofuran
Concen: 108.656 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	68790
Ion	Ratio	Lower	Upper
42	100		
72	40.2	29.3	43.9
71	42.0	31.2	46.8

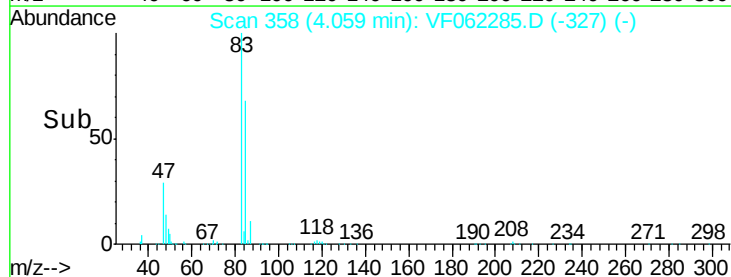
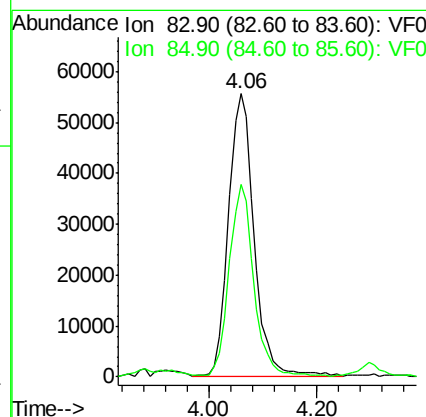
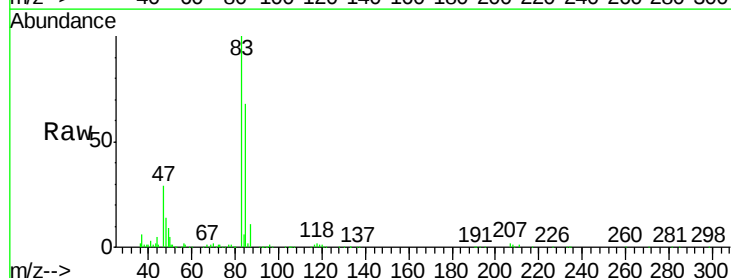
Manual Integrations
APPROVED

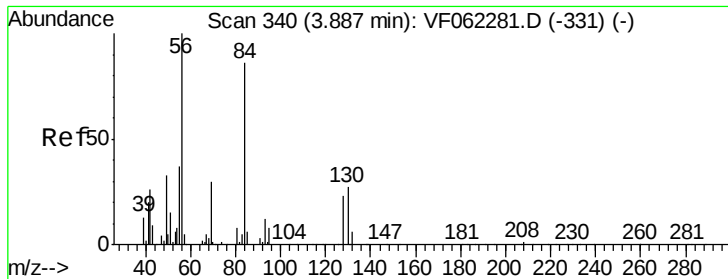
MMDadoda
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#30
Chloroform
Concen: 20.548 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion:	83	Resp:	184056
Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.1	76.7





#31

Cyclohexane

Concen: 19.098 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

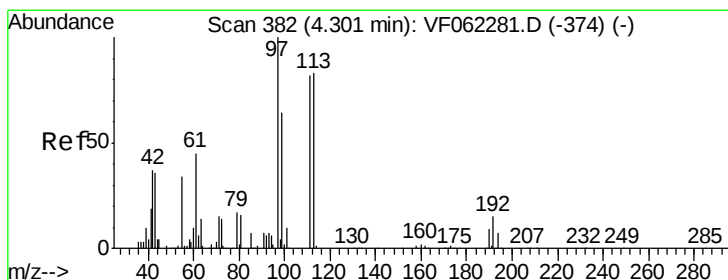
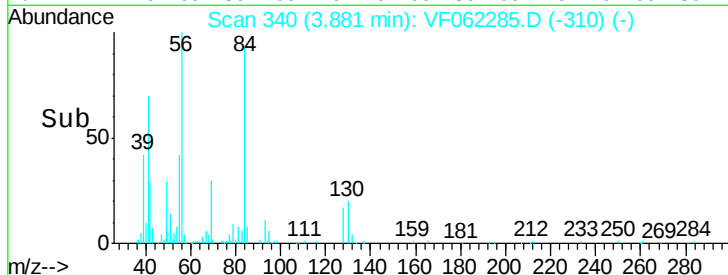
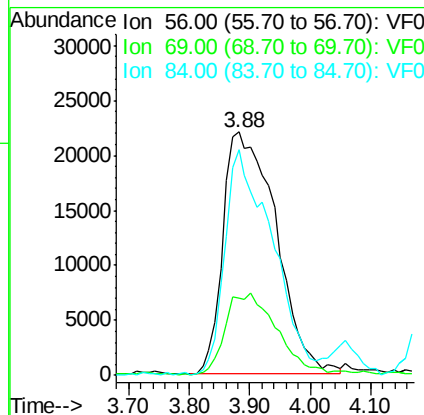
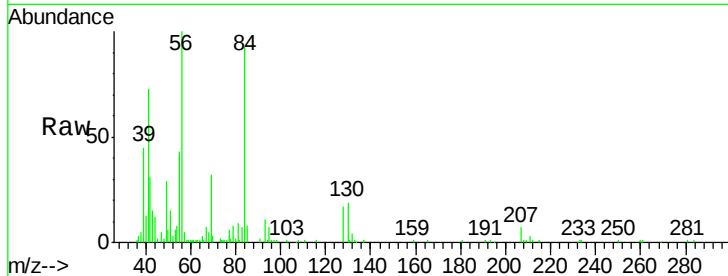
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	132668
Ion Ratio	Lower	Upper	
56	100		
69	32.0	24.3	36.5
84	93.5	68.5	102.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.642 ug/l

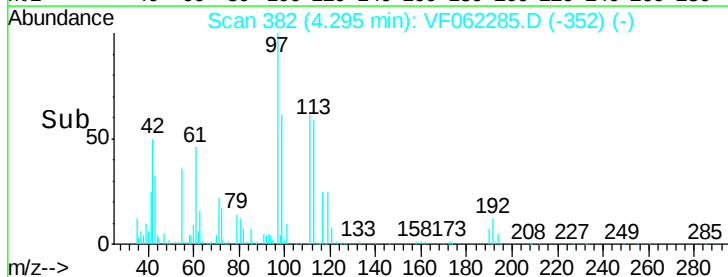
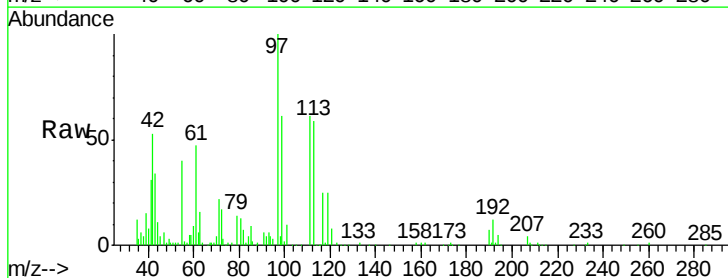
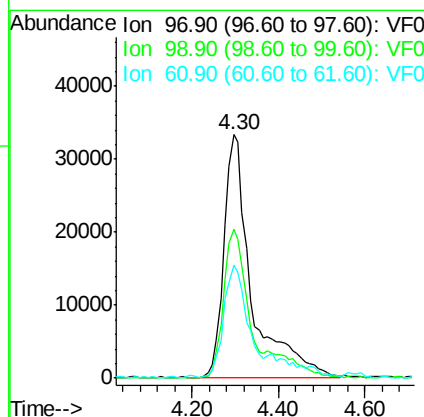
RT: 4.30 min Scan# 382

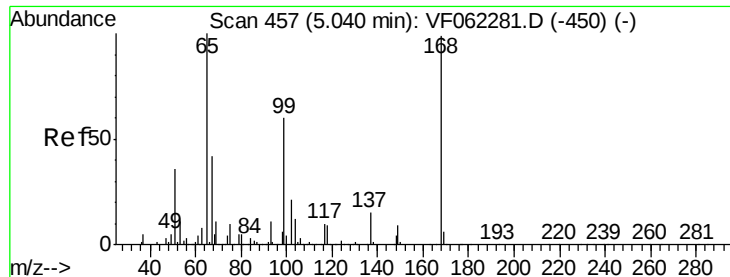
Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:	97	Resp:	151039
Ion Ratio	Lower	Upper	
97	100		
99	62.9	41.6	62.4#
61	39.4	31.6	47.4





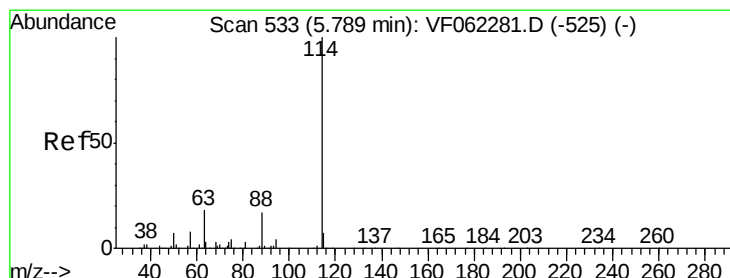
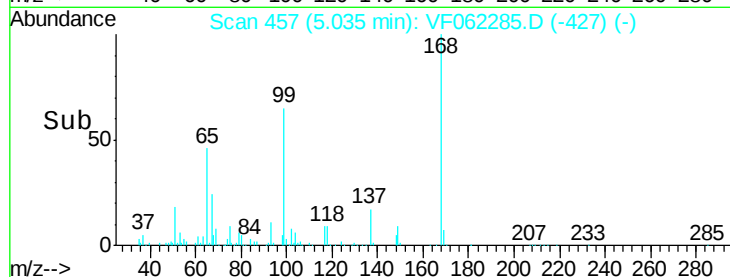
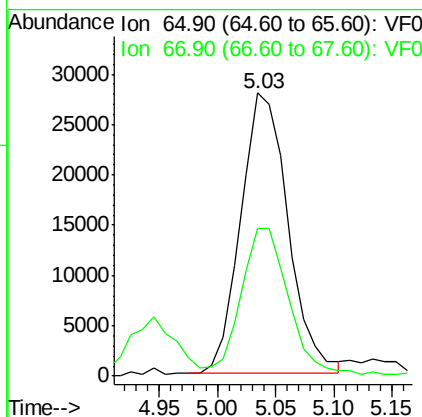
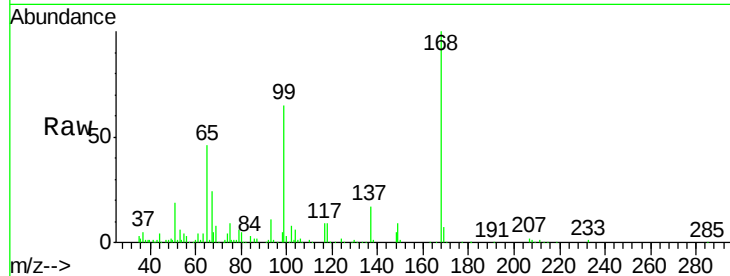
#33
 1,2-Dichloroethane-d4
 Concen: 19.185 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	98.8	

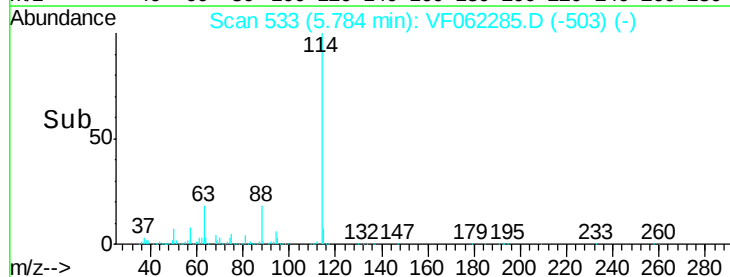
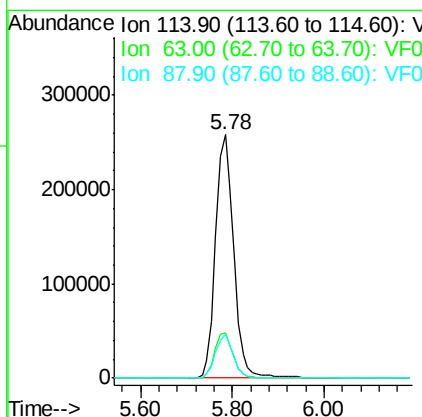
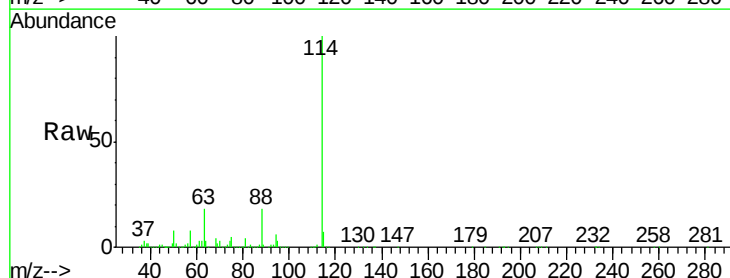
Manual Integrations
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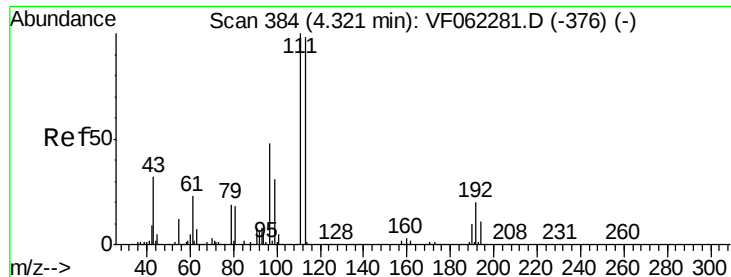
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	35.6	
88	18.0	0.0	34.6	





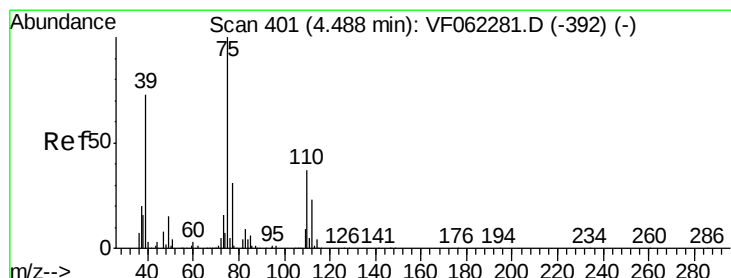
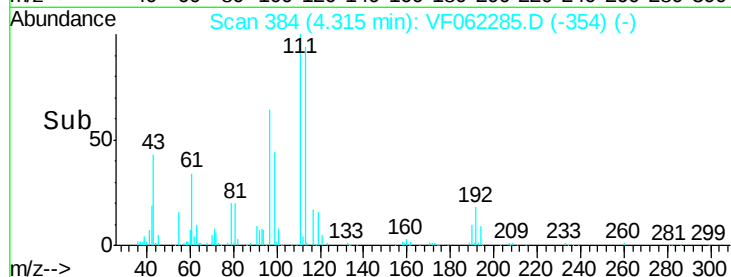
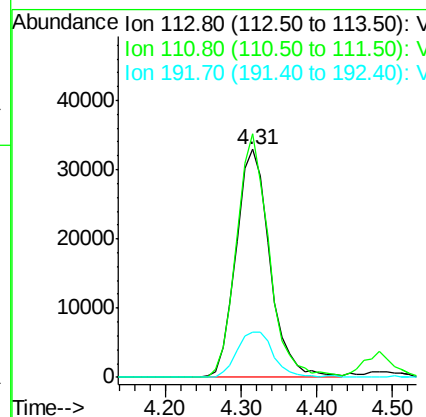
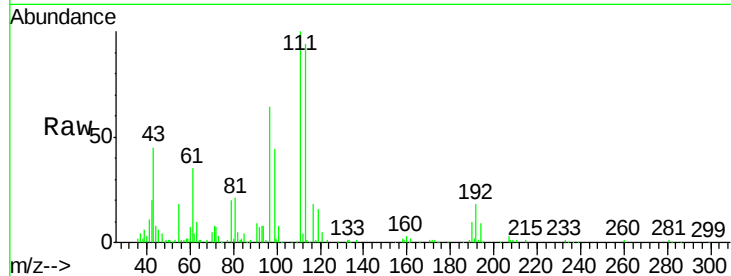
#35
 Dibromofluoromethane
 Concen: 19.086 ug/l
 RT: 4.31 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.2
192	21.5	17.0	25.4

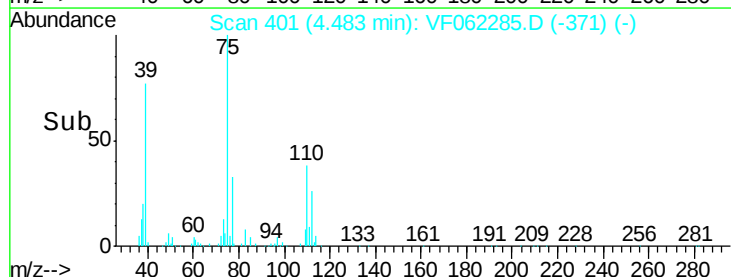
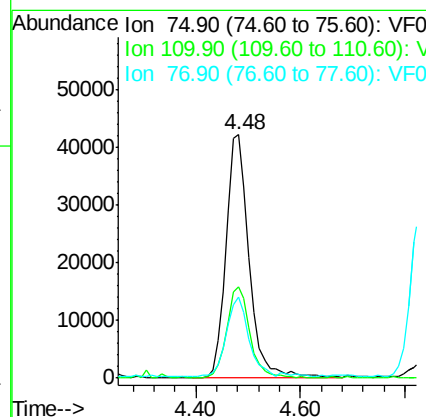
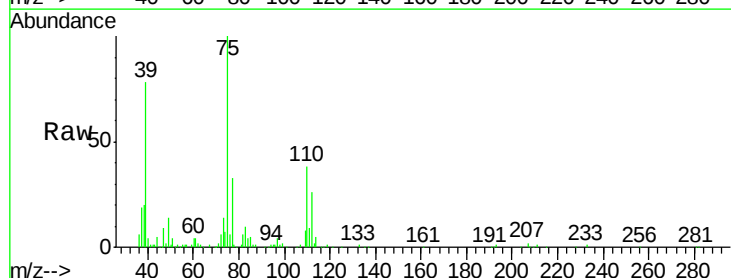
Manual Integrations
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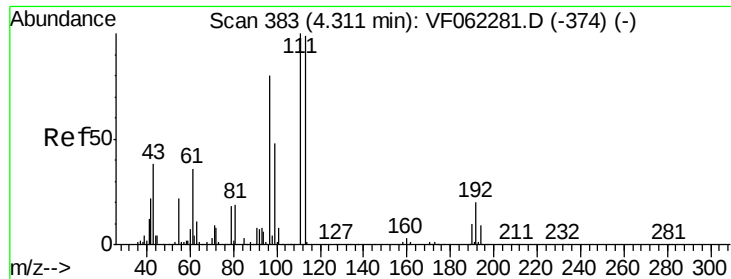
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#36
 1,1-Dichloropropene
 Concen: 19.578 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.9	53.8
77	31.5	24.6	36.8





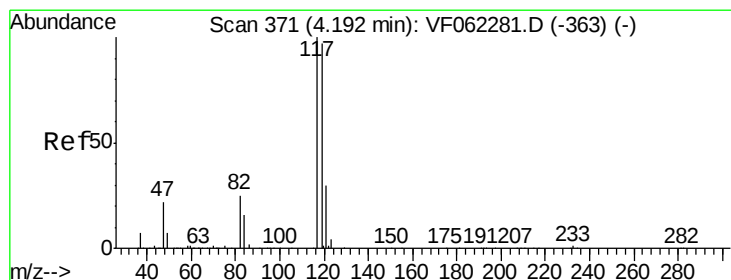
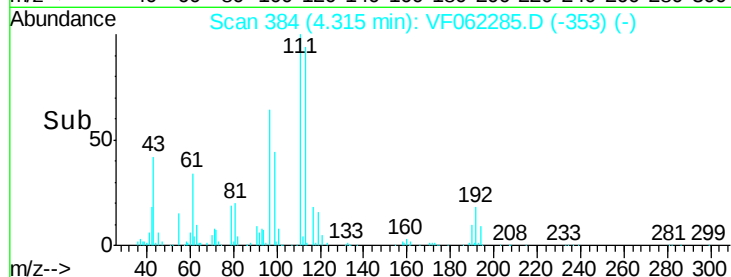
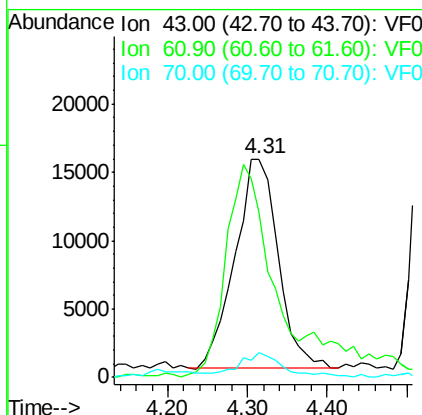
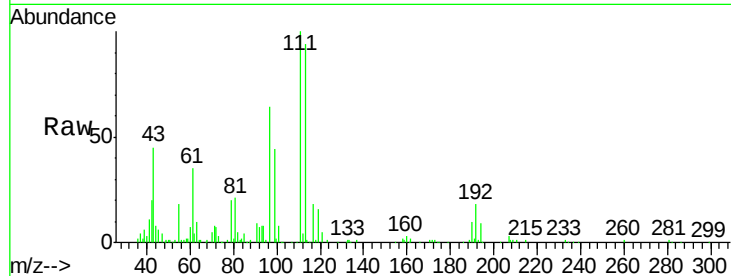
#37
Ethyl Acetate
Concen: 20.968 ug/l
RT: 4.31 min Scan# 384
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	57321					
Ion	43	61	70	100	103.9	12.5
Ratio					85.8	7.3
Lower					128.6	10.9
Upper						

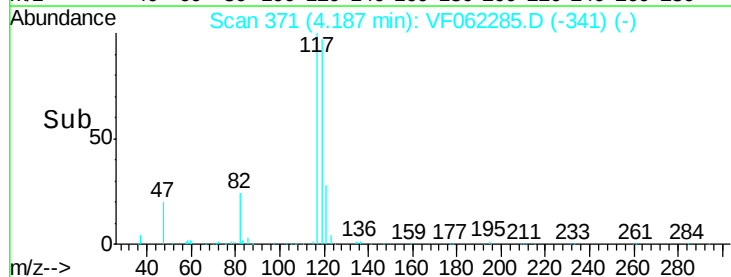
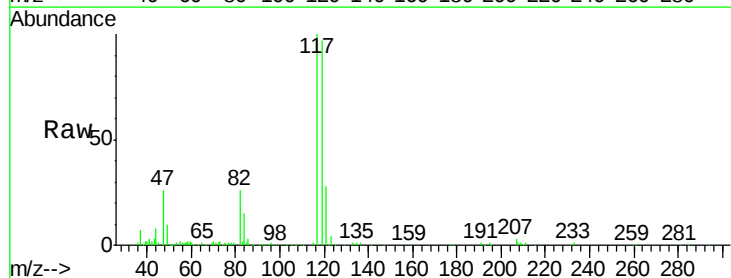
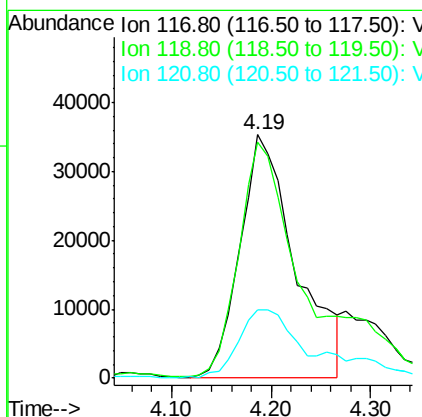
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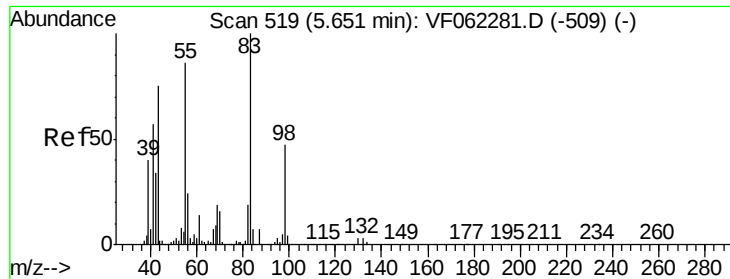
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#38
Carbon Tetrachloride
Concen: 21.178 ug/l m
RT: 4.19 min Scan# 371
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	137773					
Ion	117	119	121	100	96.7	28.1
Ratio					77.3	24.3
Lower					115.9	36.5
Upper						





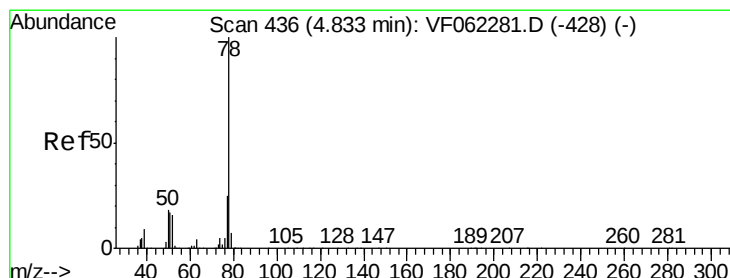
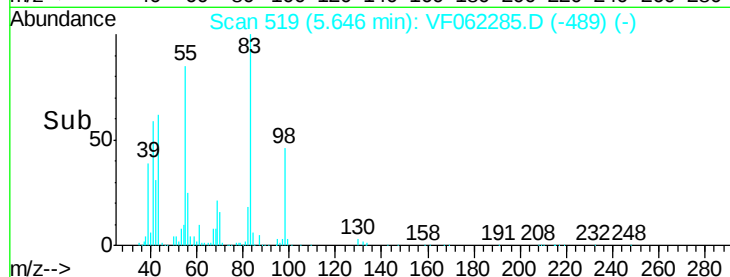
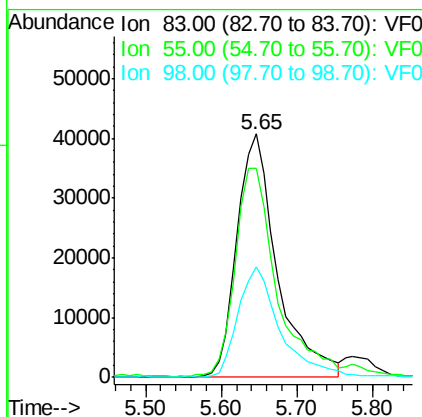
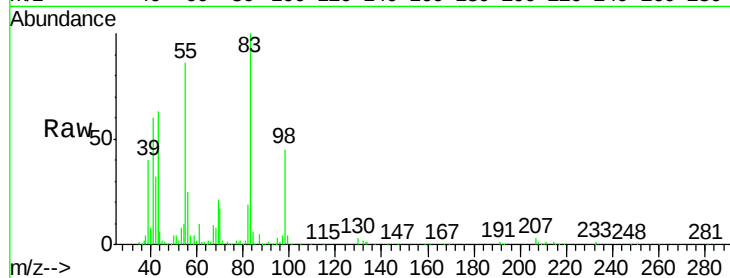
#39
Methvlcvclohexane
Concen: 19.290 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	68.7	103.1
98	44.9	37.4	56.2

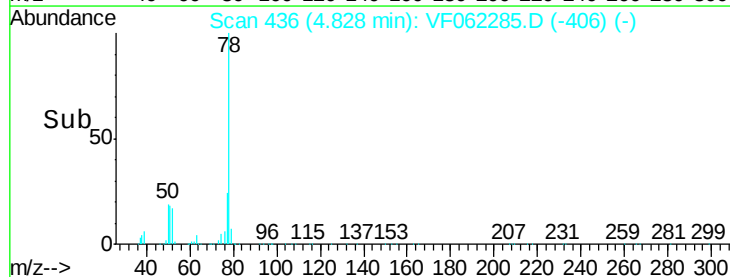
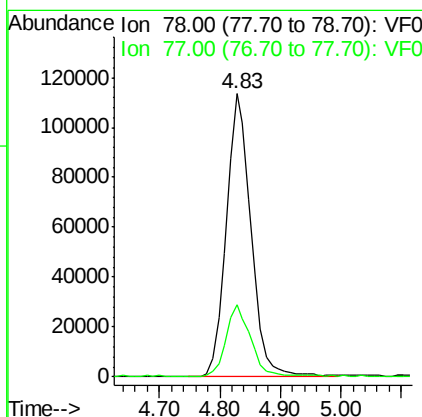
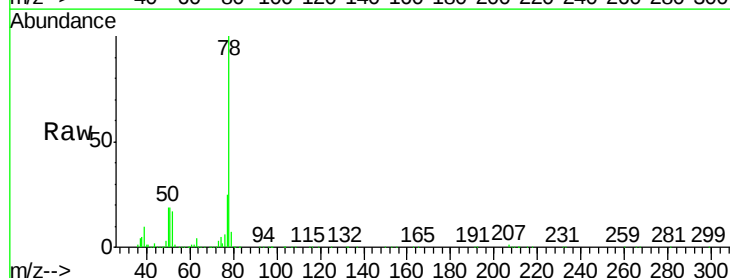
Manual Integrations
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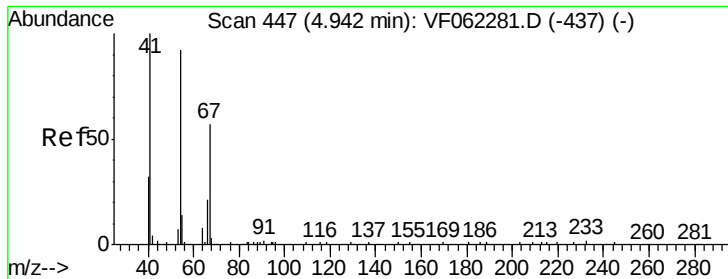
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#40
Benzene
Concen: 19.903 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.7	29.5





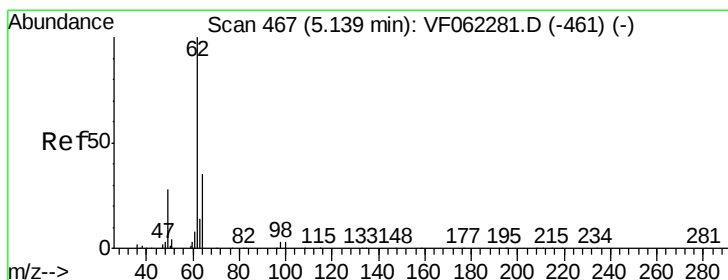
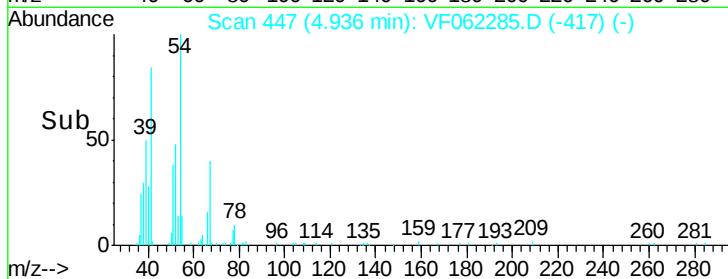
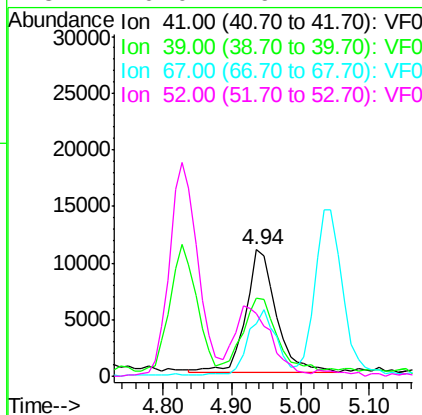
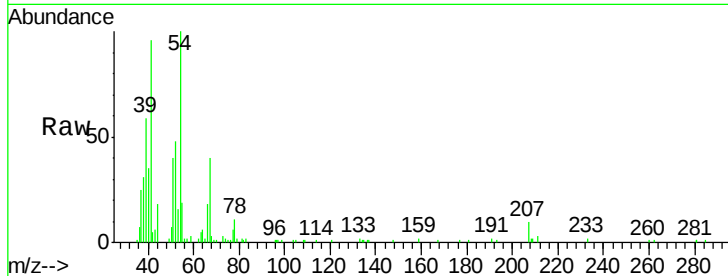
#41
Methacrylonitrile
Concen: 21.414 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	32699
Ion Ratio	Lower	Upper	
41	100		
39	63.4	47.3	70.9
67	48.9	41.3	61.9
52	0.0	49.4	74.2#

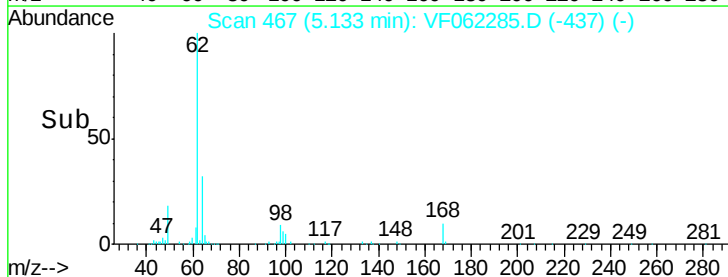
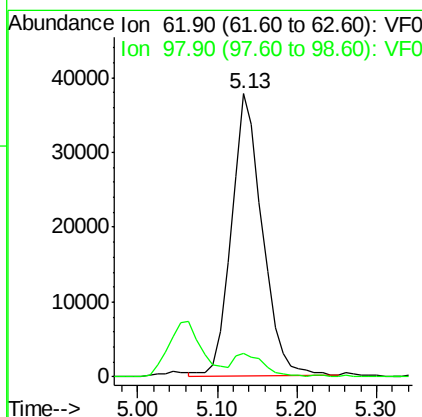
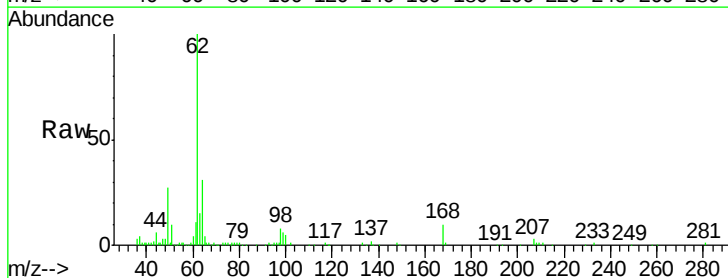
Manual Integrations
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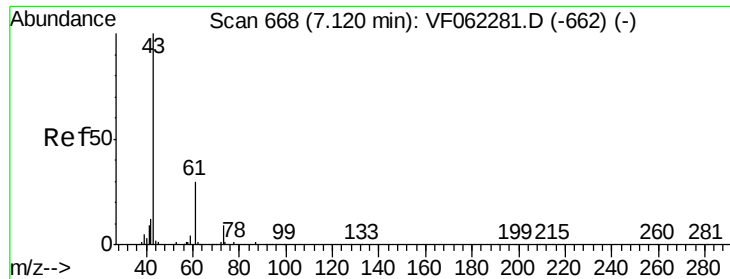
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#42
1,2-Dichloroethane
Concen: 20.640 ug/l
RT: 5.13 min Scan# 467
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion:	62	Resp:	101791
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	16.8





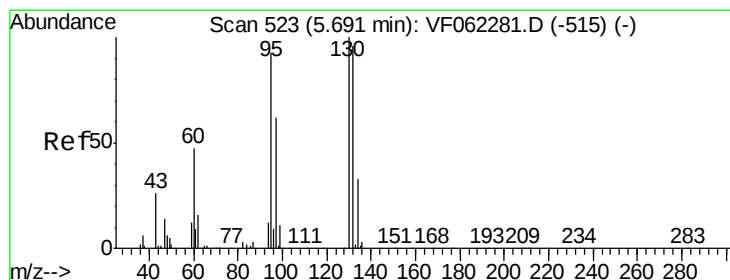
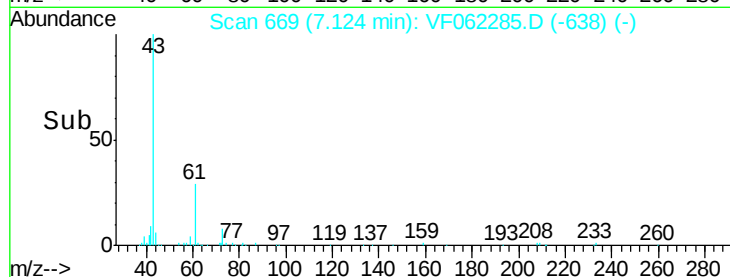
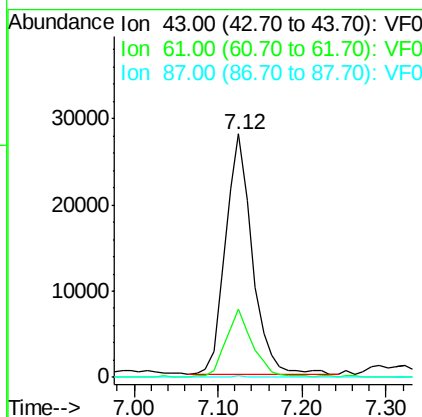
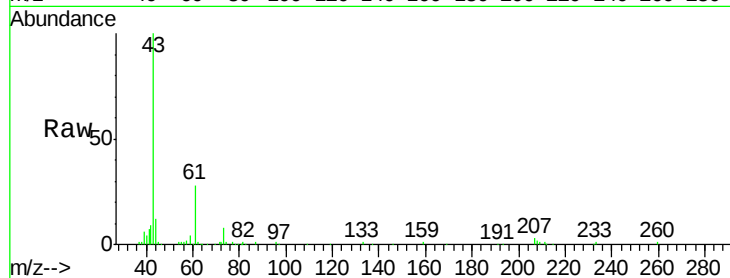
#43
Isopropyl Acetate
Concen: 21.356 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.8	35.6
87	0.2	0.5	0.7#

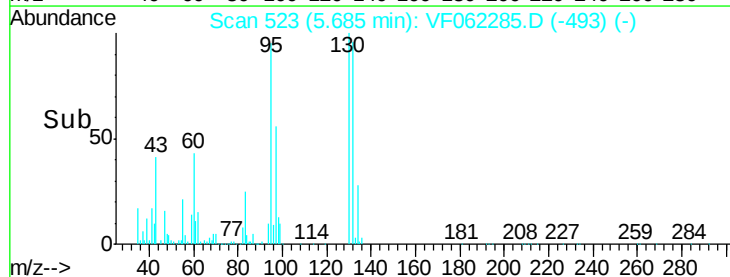
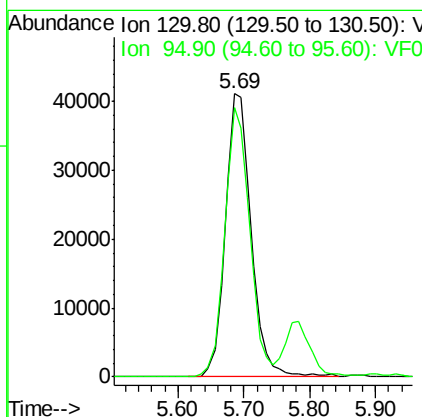
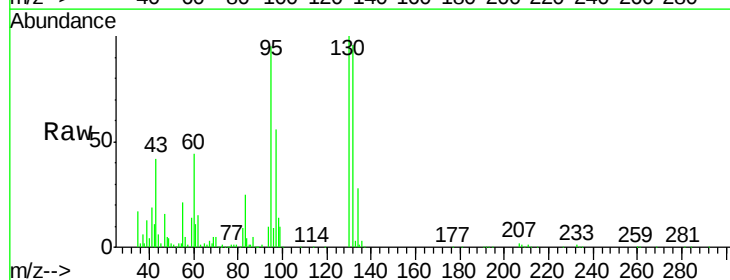
Manual Integrations
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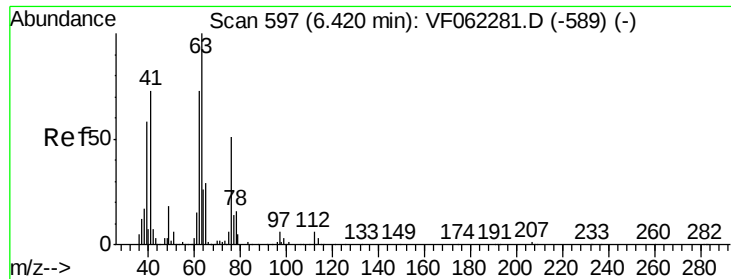
MMDadoda
4/26/2019 9:21:02 AM



#44
Trichloroethene
Concen: 20.786 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	186.4





#45

1,2-Dichloropropane

Concen: 20.855 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 73776

Ion Ratio Lower Upper

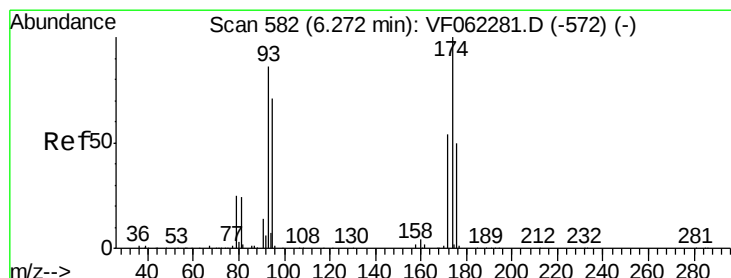
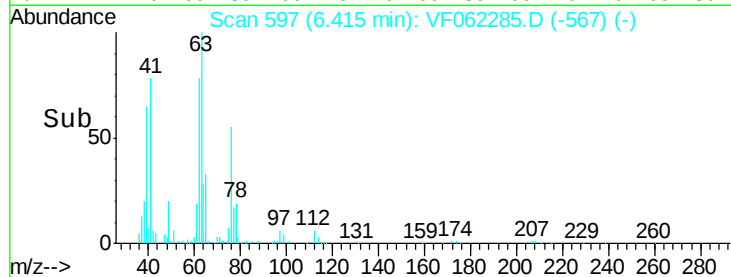
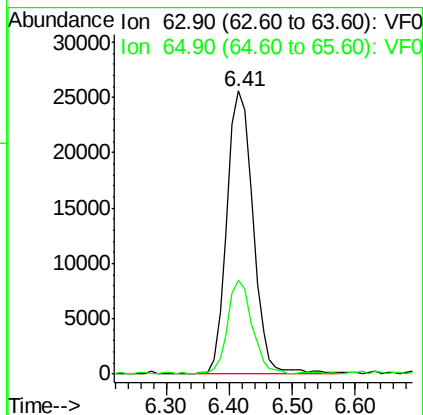
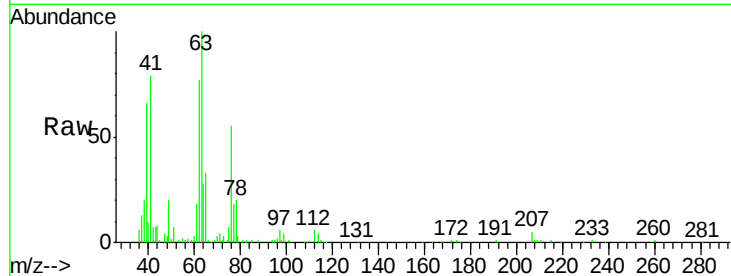
63 100

65 33.2 23.5 35.3

Manual Integrations
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#46

Dibromomethane

Concen: 20.314 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

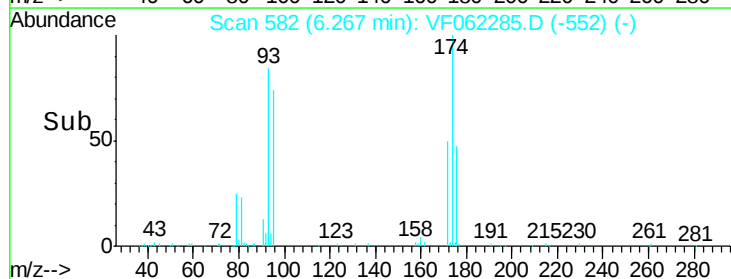
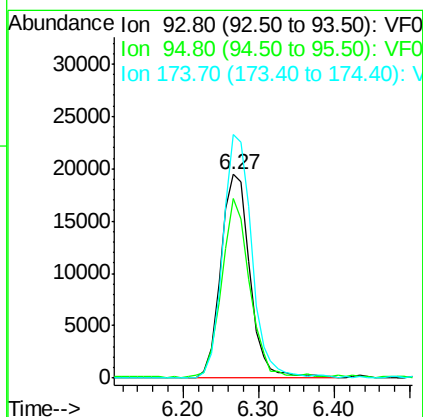
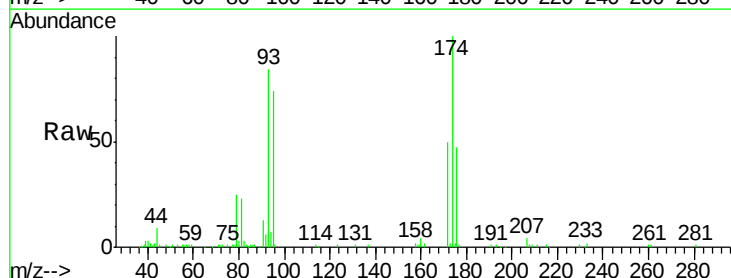
Tgt Ion: 93 Resp: 52054

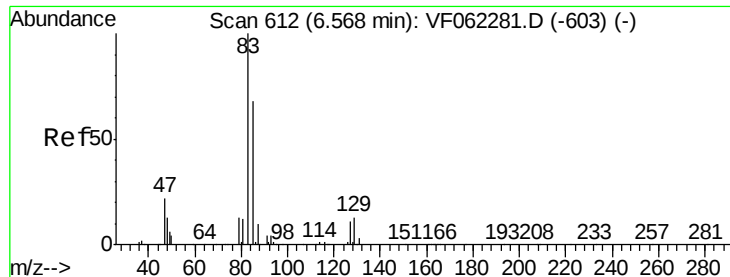
Ion Ratio Lower Upper

93 100

95 85.9 66.2 99.4

174 117.5 94.9 142.3





#47

Bromodichloromethane

Concen: 20.079 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

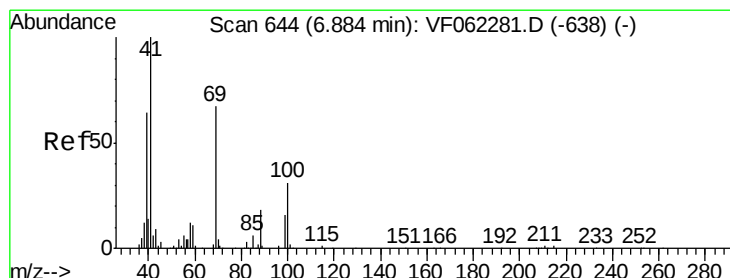
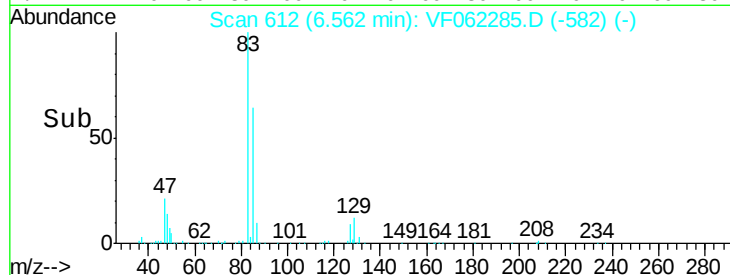
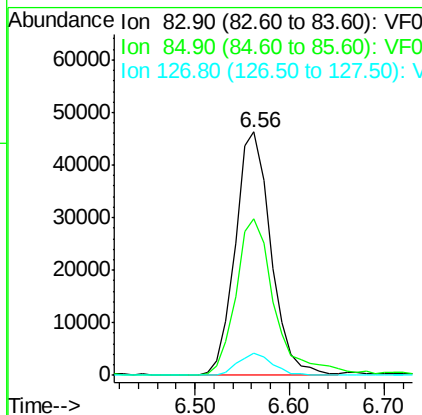
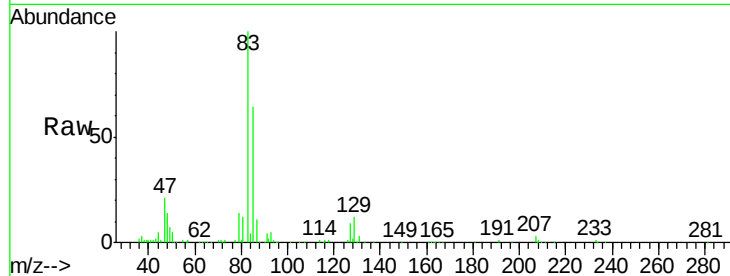
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	121131
Ion Ratio	Lower	Upper	
83	100		
85	64.1	54.6	81.8
127	8.9	8.7	13.1

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



#48

Methyl methacrylate

Concen: 20.366 ug/l

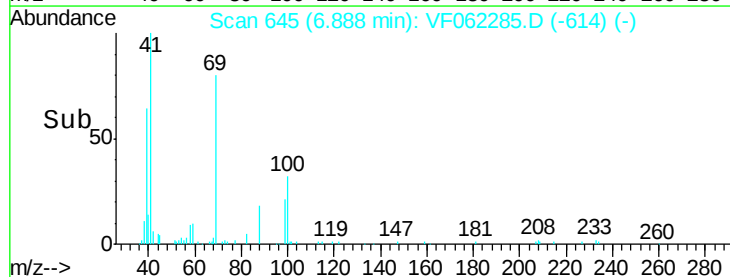
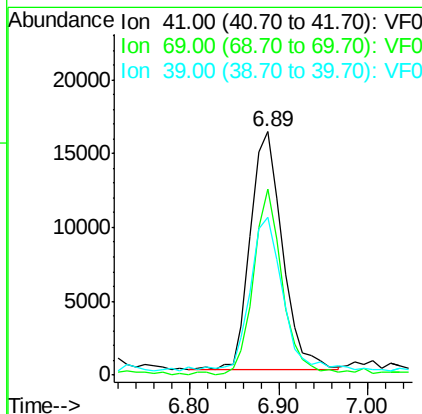
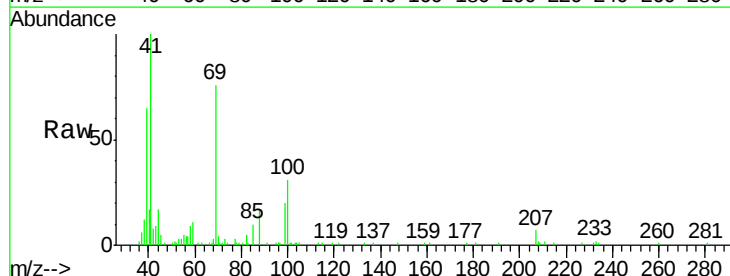
RT: 6.89 min Scan# 645

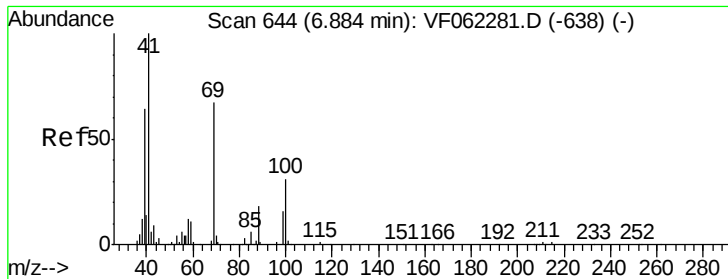
Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:	41	Resp:	40293
Ion Ratio	Lower	Upper	
41	100		
69	70.2	53.4	80.2
39	67.7	50.9	76.3





#49

1,4-Dioxane

Concen: 438.183 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

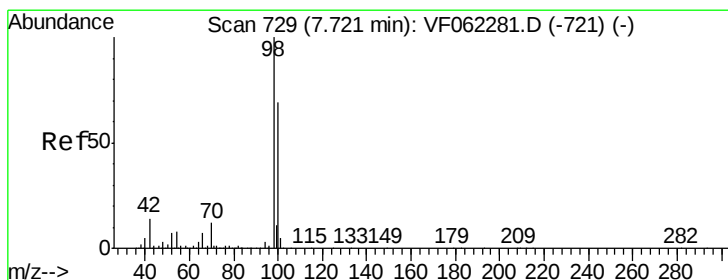
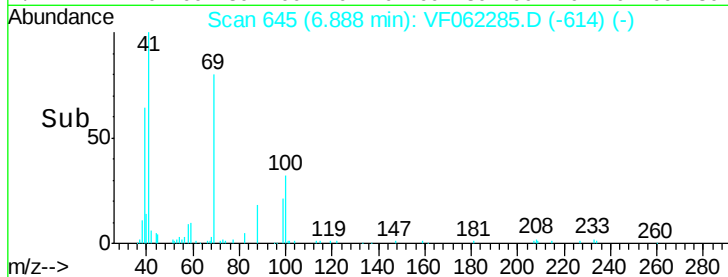
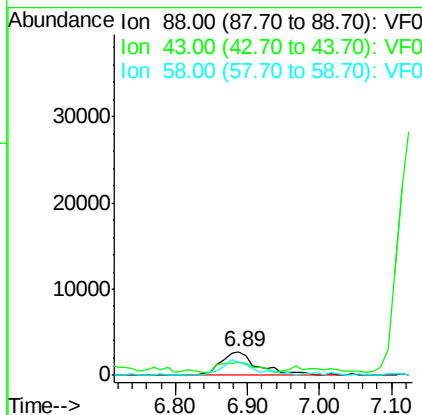
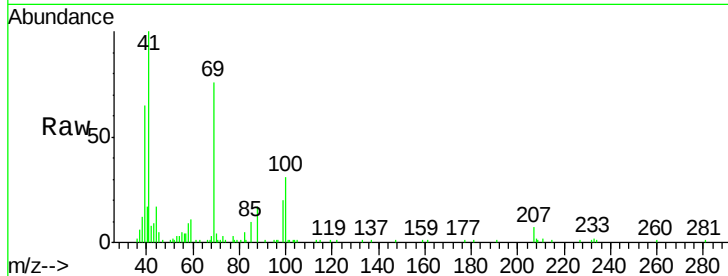
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	9922
Ion	Ratio	Lower	Upper
88	100		
43	38.4	34.2	51.4
58	55.4	50.7	76.1

Manual Integrations
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#50

Toluene-d8

Concen: 19.816 ug/l

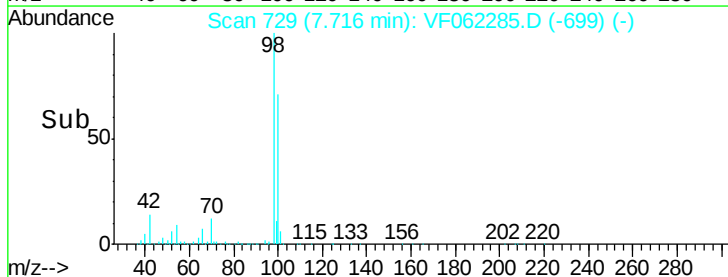
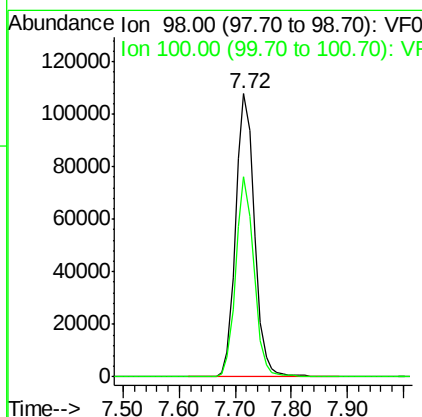
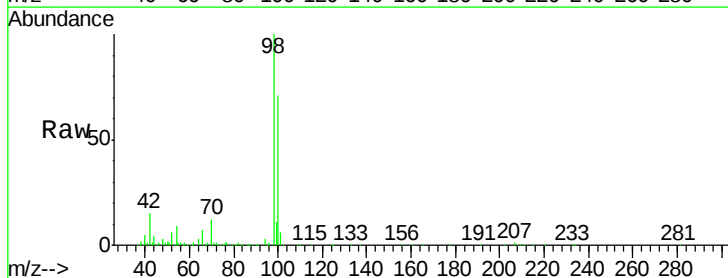
RT: 7.72 min Scan# 729

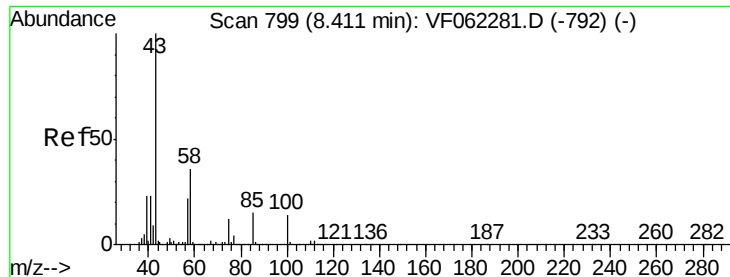
Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:	98	Resp:	252448
Ion	Ratio	Lower	Upper
98	100		
100	68.0	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 99.831 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 220245

Ion Ratio Lower Upper

43 100

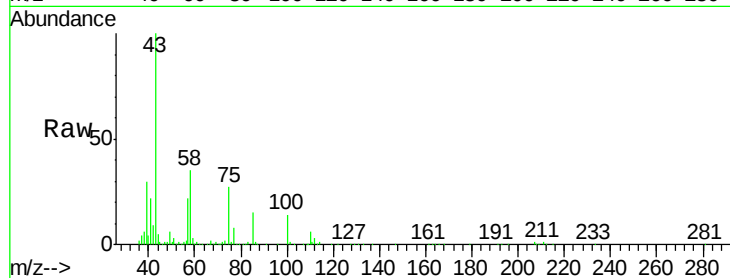
58 35.6 29.1 43.7

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

100000

80000

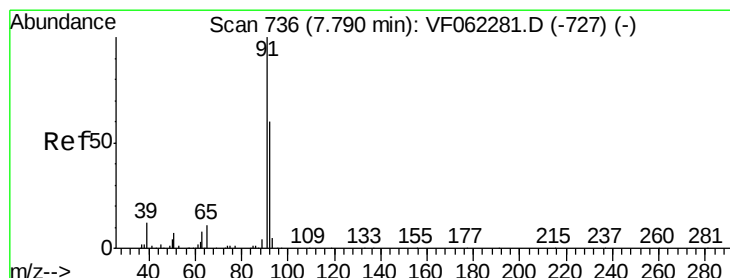
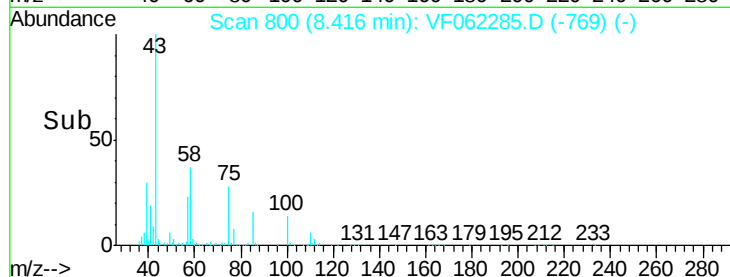
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.176 ug/l

RT: 7.78 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062285.D

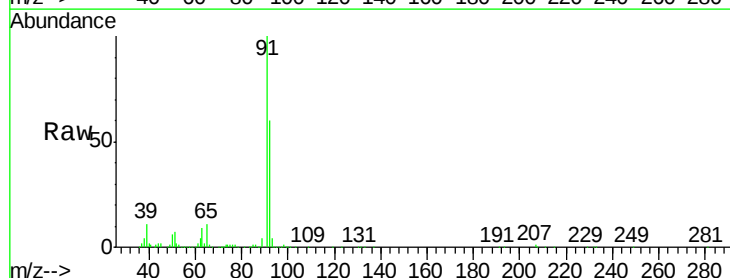
Acq: 24 Apr 2019 17:14

Tgt Ion: 92 Resp: 185836

Ion Ratio Lower Upper

92 100

91 171.3 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.78

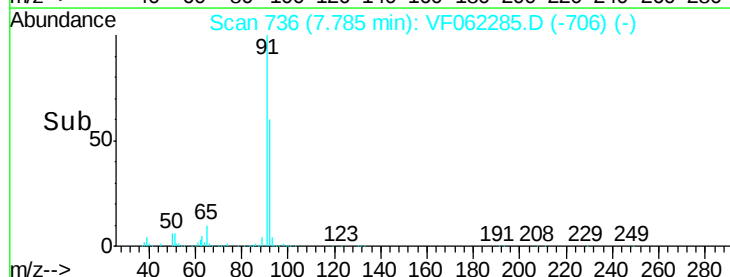
150000

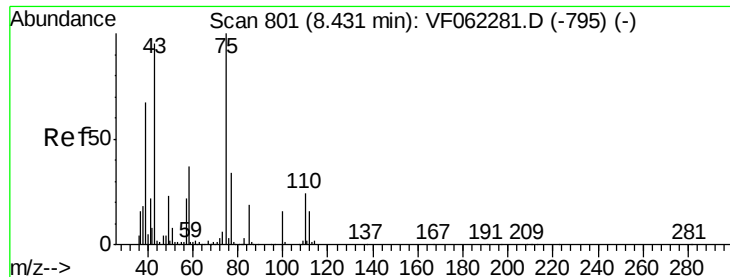
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.747 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 95543

Ion Ratio Lower Upper

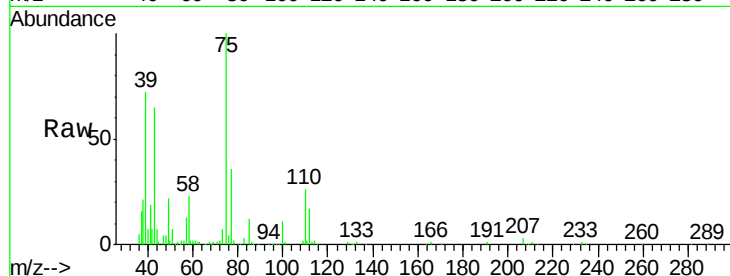
75 100

77 35.6 26.9 40.3

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

8.44

40000

30000

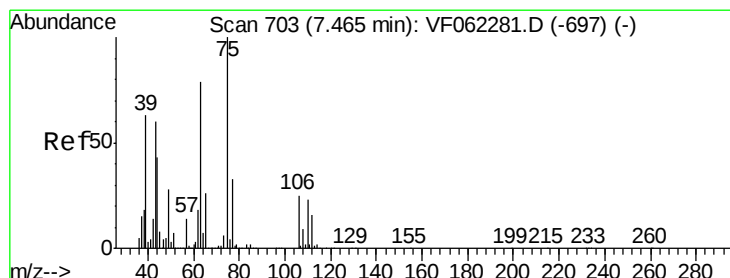
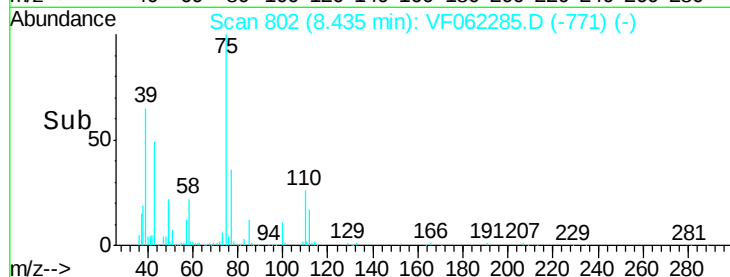
20000

10000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.718 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

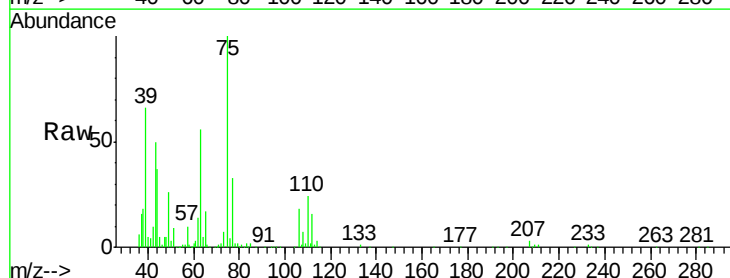
Tgt Ion: 75 Resp: 118193

Ion Ratio Lower Upper

75 100

77 32.6 26.5 39.7

39 64.9 50.2 75.2



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.47

60000

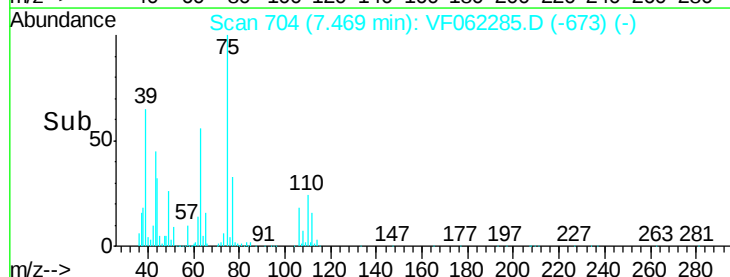
40000

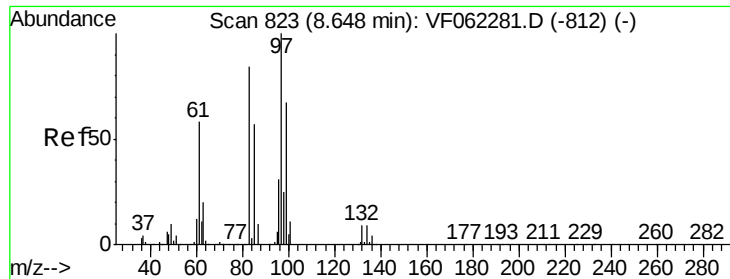
20000

0

7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.136 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

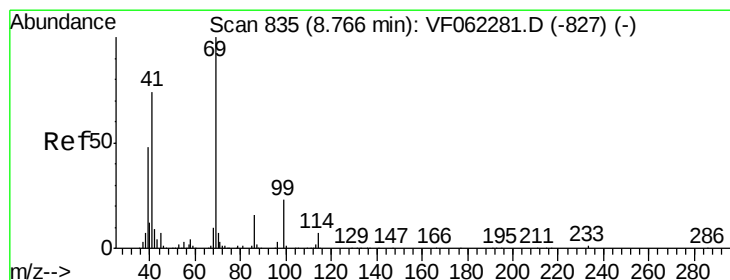
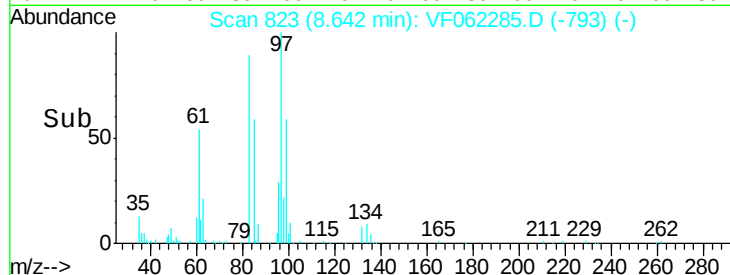
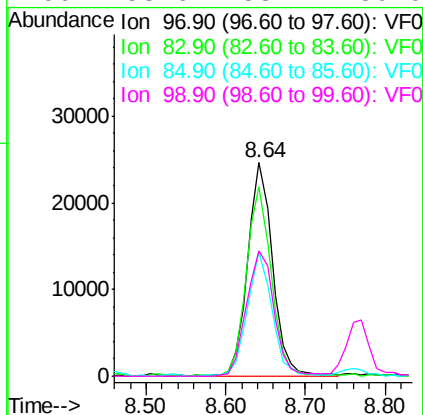
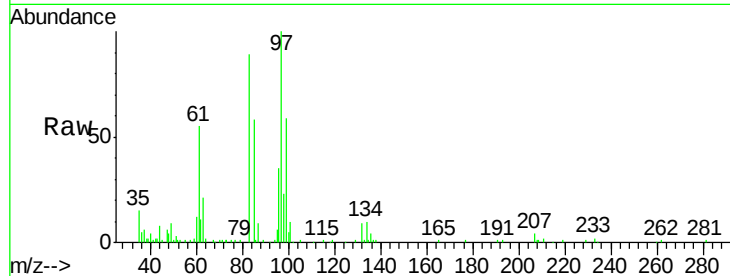
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	53208
Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.5	101.3
85	58.3	45.3	67.9
99	58.6	53.4	80.0

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#56

Ethyl methacrylate

Concen: 19.705 ug/l

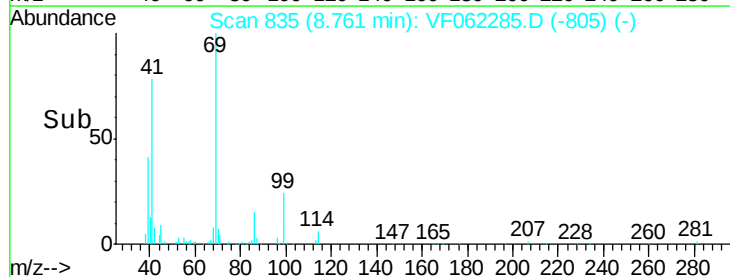
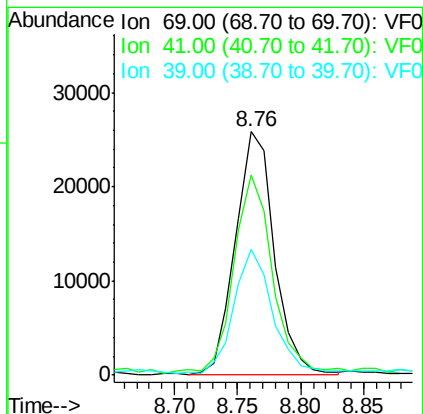
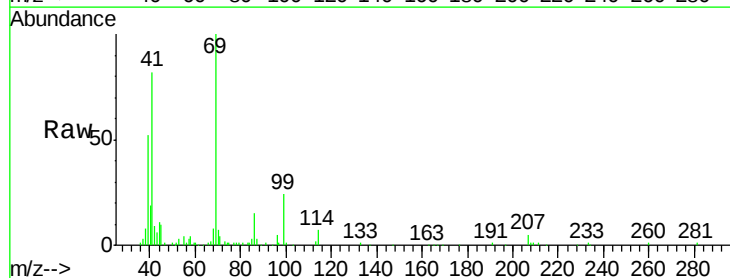
RT: 8.76 min Scan# 835

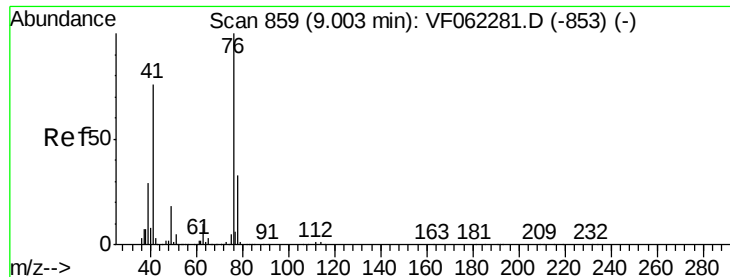
Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:	69	Resp:	55456
Ion	Ratio	Lower	Upper
69	100		
41	80.6	61.5	92.3
39	50.0	37.9	56.9





#57

1,3-Dichloropropane

Concen: 21.720 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 85991

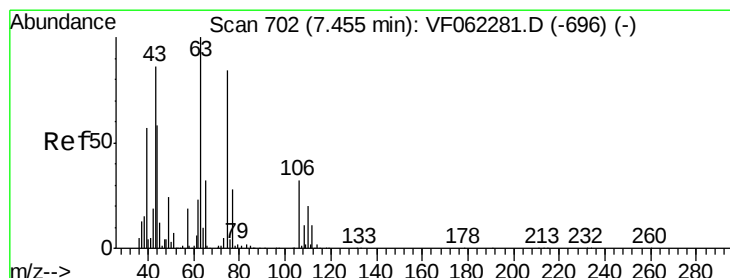
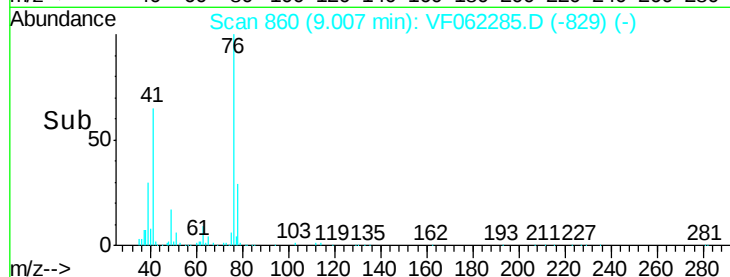
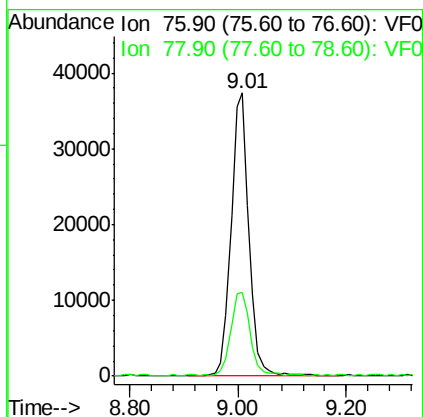
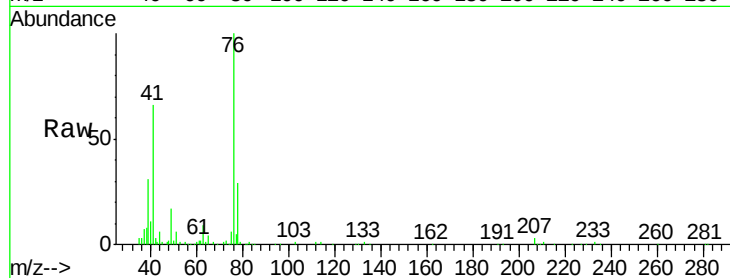
Ion Ratio Lower Upper

76 100

78 33.0 27.0 40.6

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#58

2-Chloroethyl Vinyl ether

Concen: 107.911 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062285.D

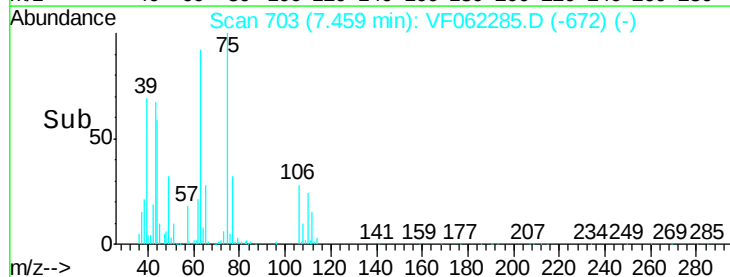
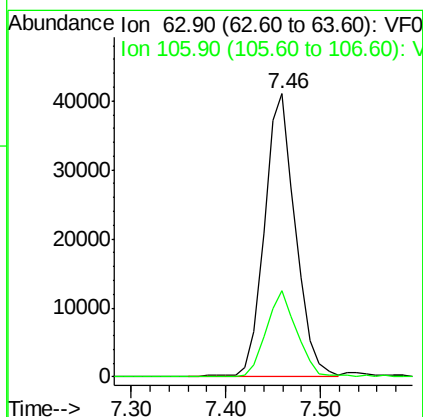
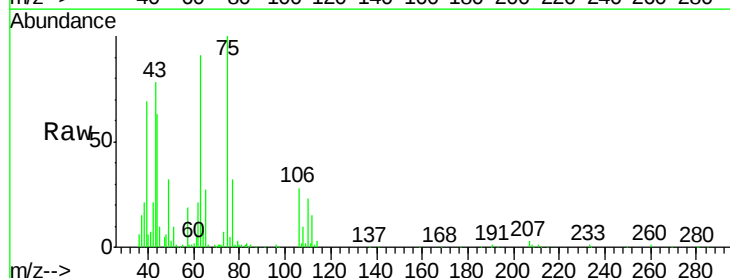
Acq: 24 Apr 2019 17:14

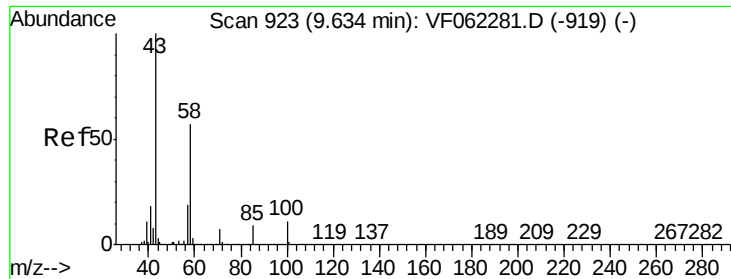
Tgt Ion: 63 Resp: 93818

Ion Ratio Lower Upper

63 100

106 30.3 24.7 37.1





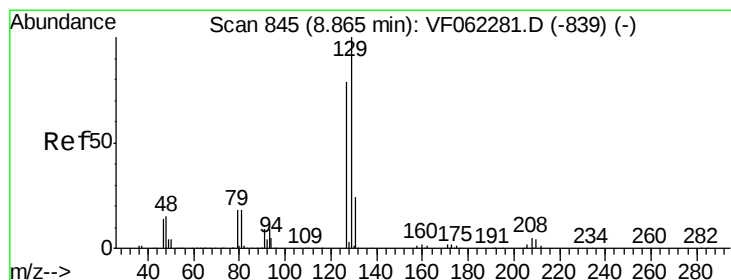
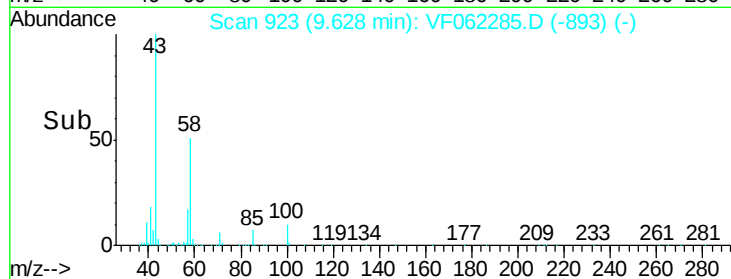
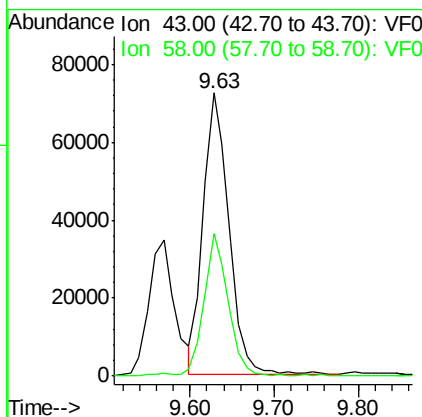
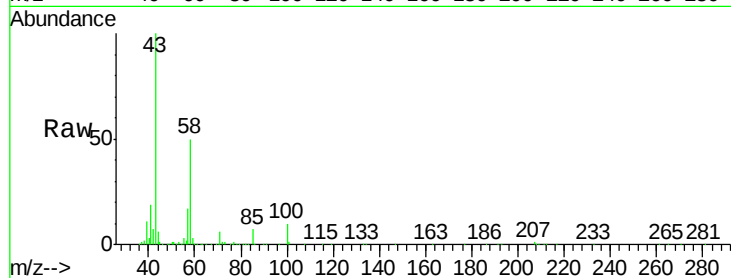
#59
2-Hexanone
Concen: 71.706 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.1	24.9	74.7

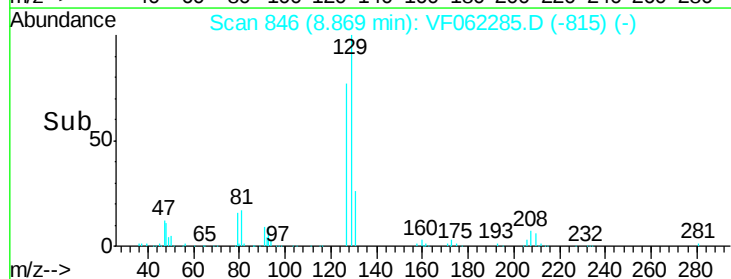
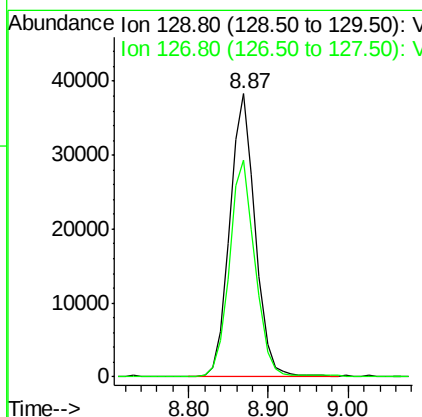
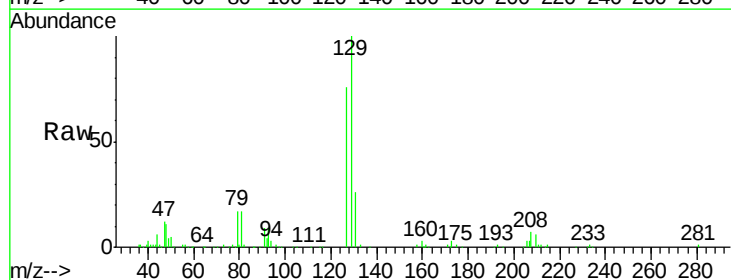
Manual Integrations
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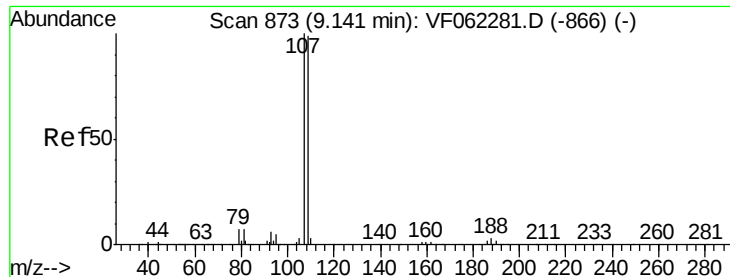
MMDadoda
4/26/2019 9:21:02 AM



#60
Dibromochloromethane
Concen: 21.170 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.8	116.4





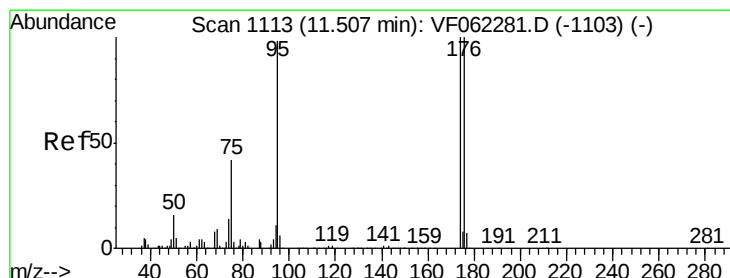
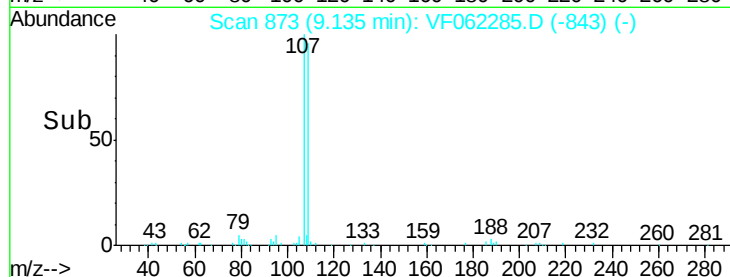
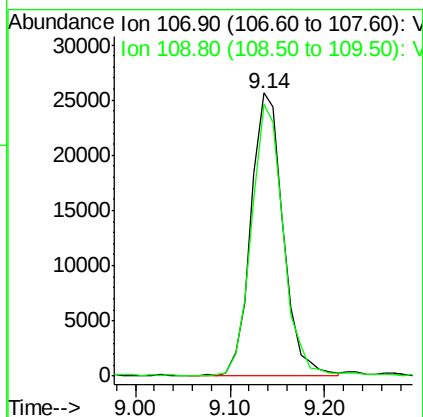
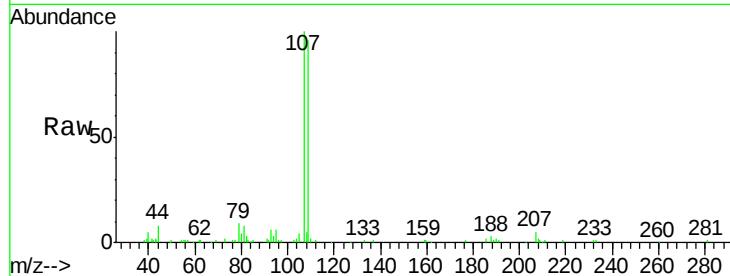
#61
 1,2-Dibromoethane
 Concen: 20.707 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 60747
 Ion Ratio Lower Upper
 107 100
 109 96.6 78.7 118.1

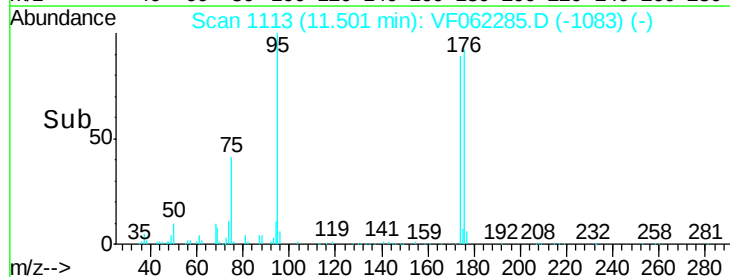
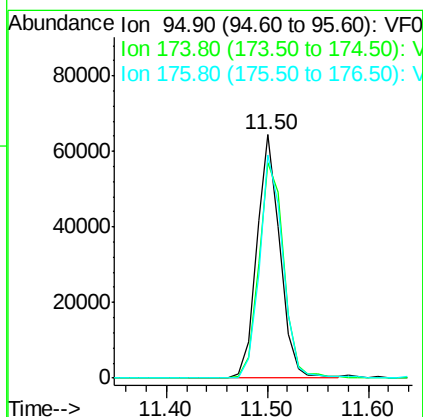
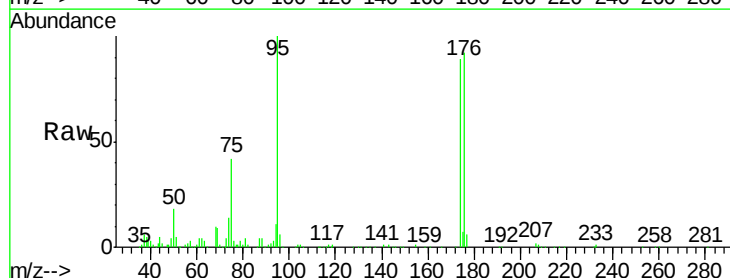
Manual Integrations
 APPROVED

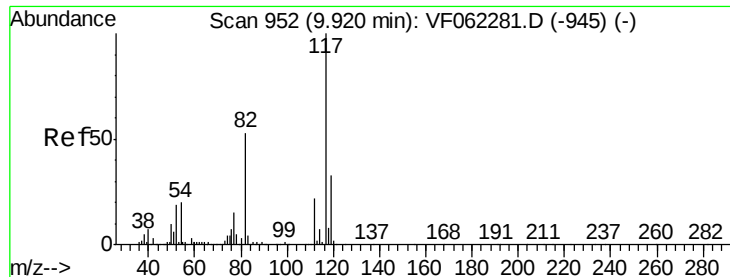
MMDadoda
 4/26/2019 9:21:02 AM



#62
 4-Bromofluorobenzene
 Concen: 19.103 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion: 95 Resp: 102567
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 185.2
 176 93.4 0.0 184.8





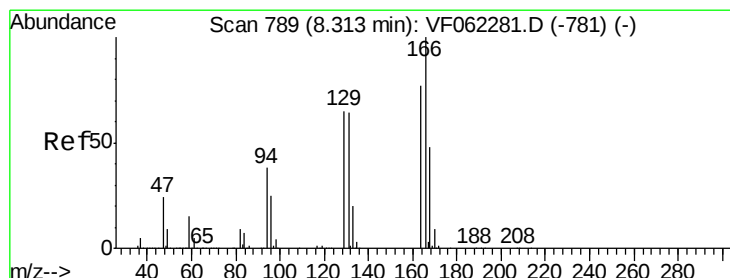
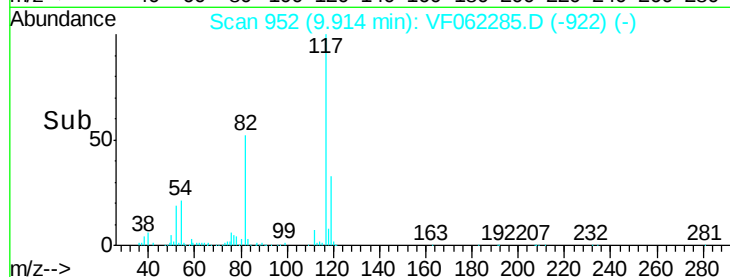
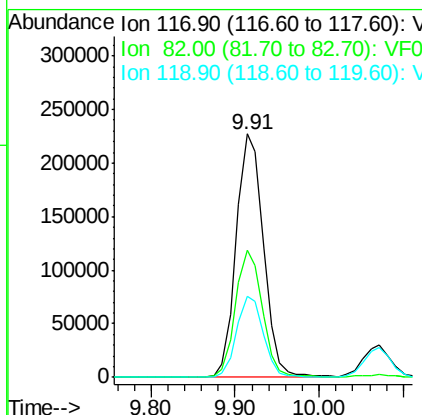
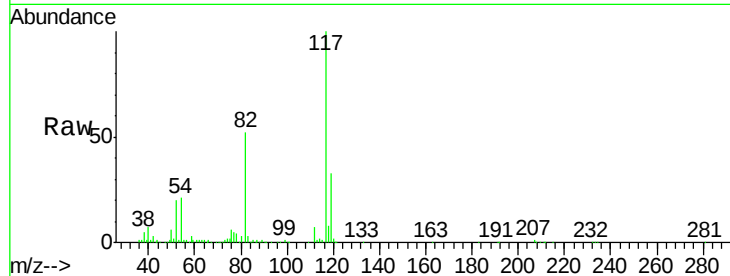
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	514470		
82	52.0		42.6	64.0
119	33.1		26.1	39.1

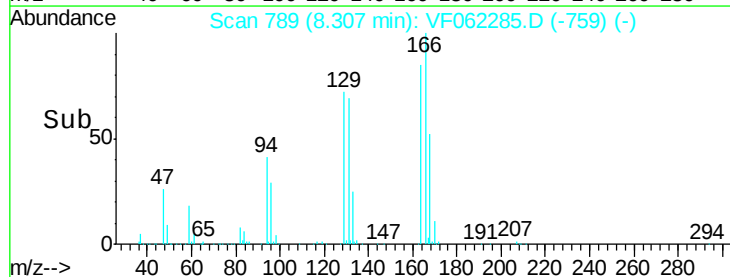
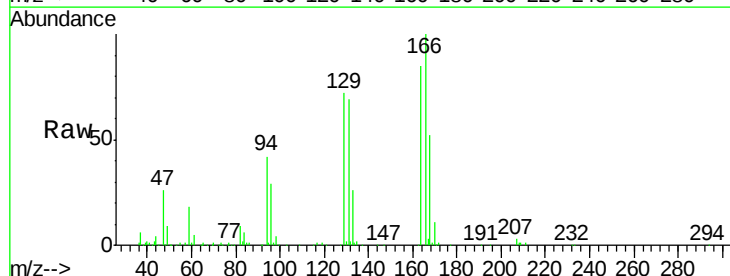
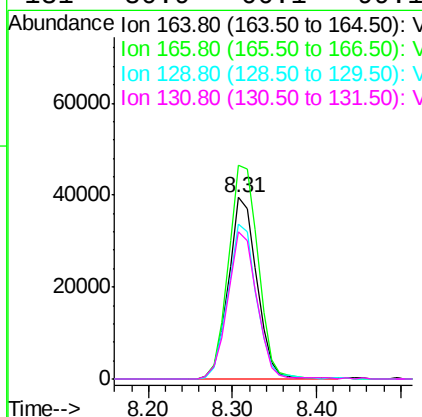
Manual Integrations
APPROVED

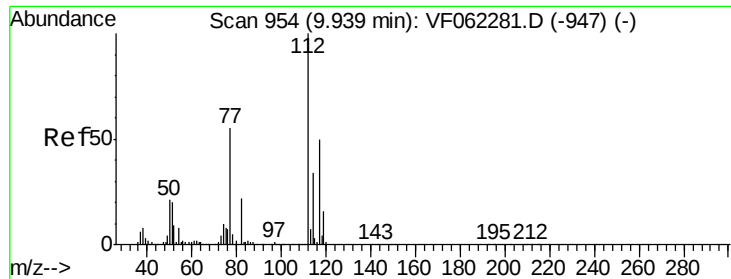
MMDadoda
4/26/2019 9:21:02 AM



#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93143		
166	117.8		103.5	155.3
129	85.4		67.6	101.4
131	80.9		66.1	99.1





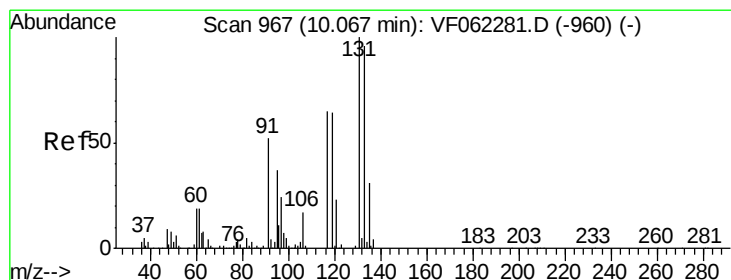
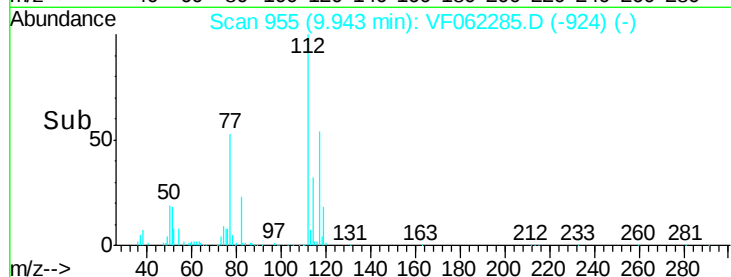
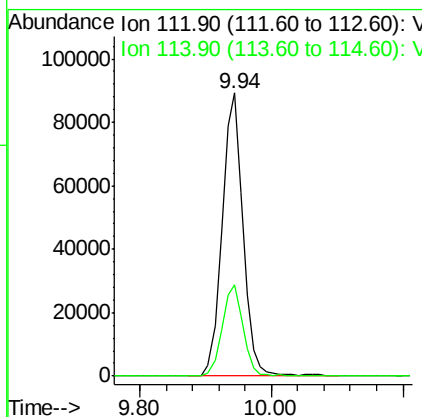
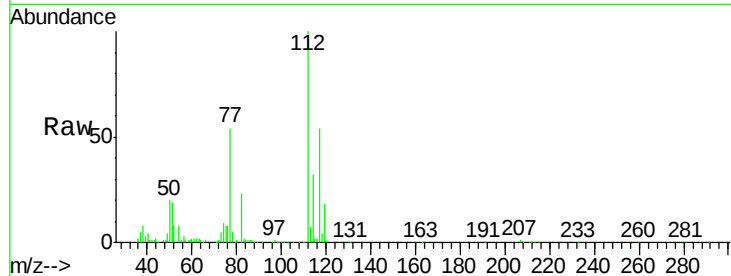
#65
Chlorobenzene
Concen: 20.714 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.0	40.6

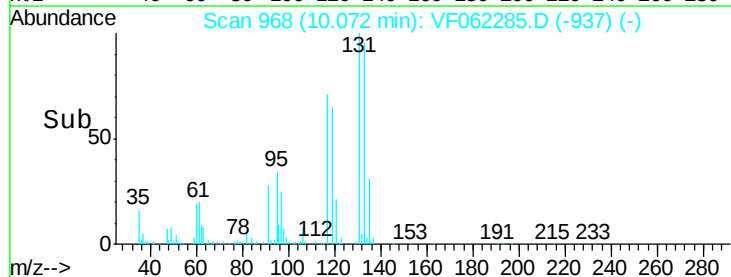
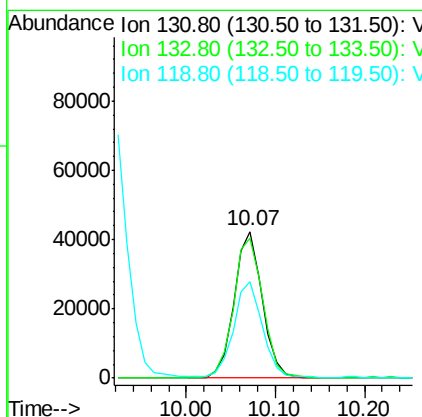
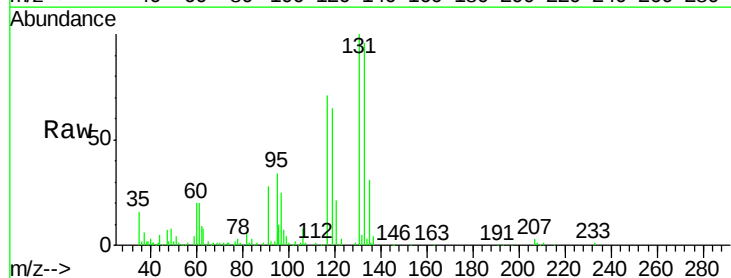
Manual Integrations
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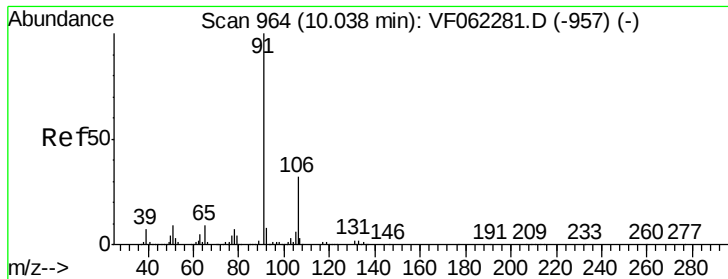
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.210 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.9	48.5	145.5
119	67.0	32.9	98.7





#67

Ethyl Benzene

Concen: 20.733 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 350928

Ion Ratio Lower Upper

91 100

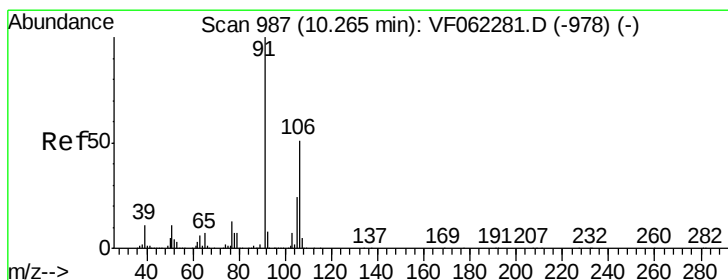
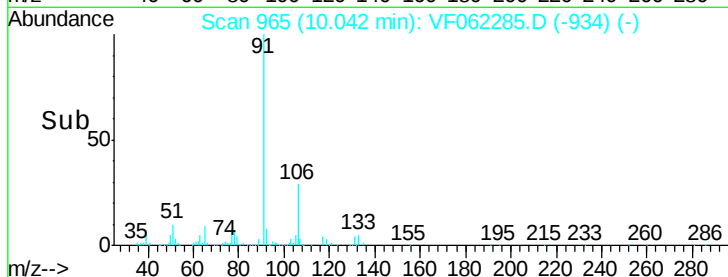
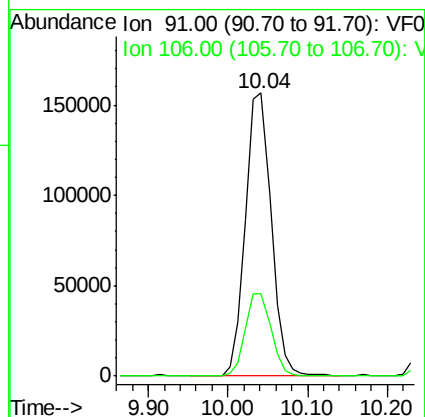
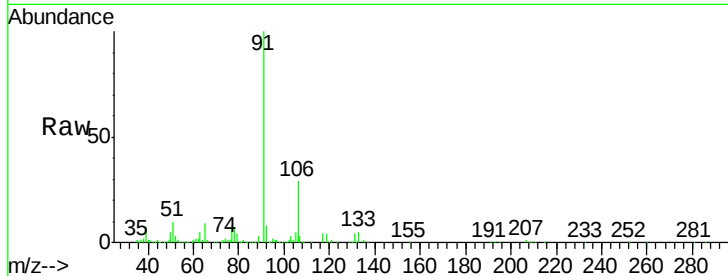
106 29.3 25.6 38.4

Manual Integrations

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4/26/2019 9:21:02 AM



#68

m/p-Xylenes

Concen: 41.169 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062285.D

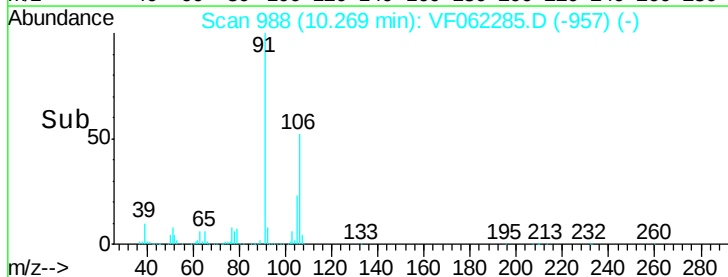
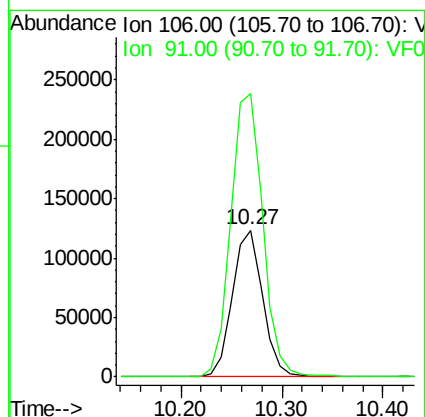
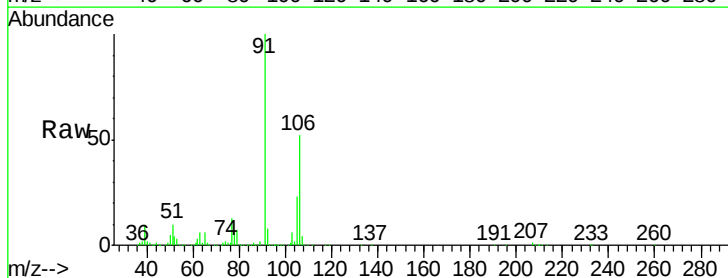
Acq: 24 Apr 2019 17:14

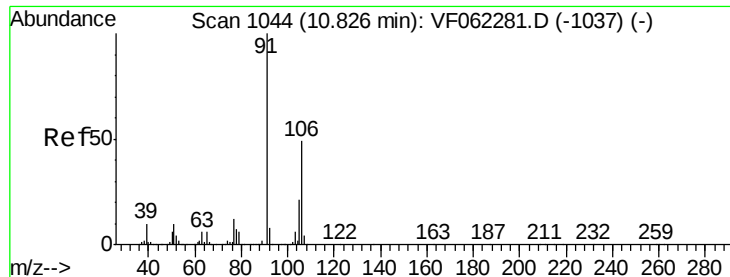
Tgt Ion: 106 Resp: 257287

Ion Ratio Lower Upper

106 100

91 204.3 158.3 237.5





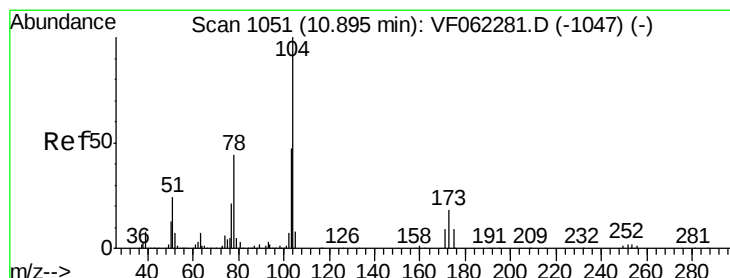
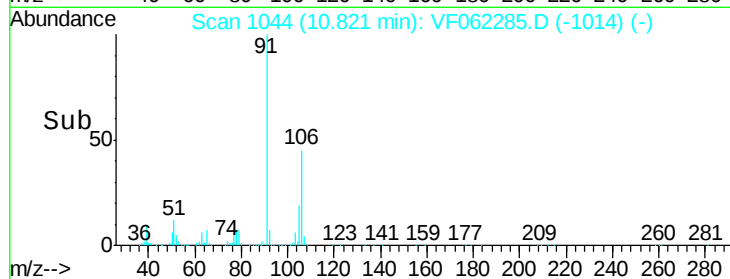
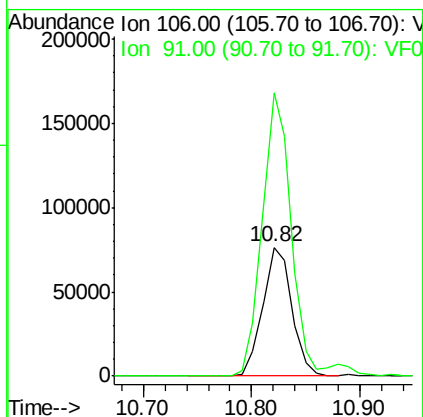
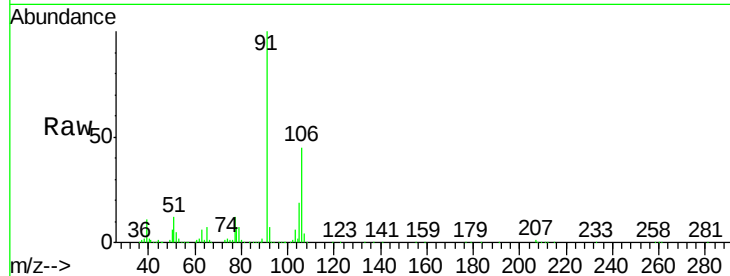
#69
o-Xylene
Concen: 20.721 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	145367		
91	91	216.1	110.0	330.0	

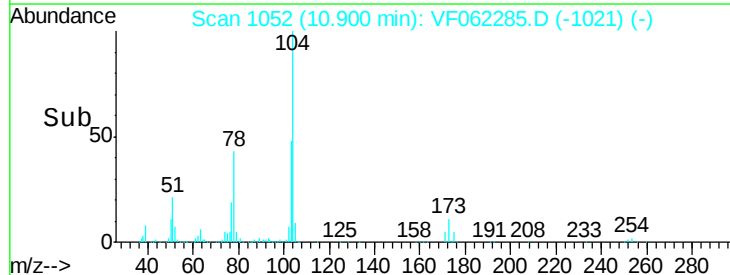
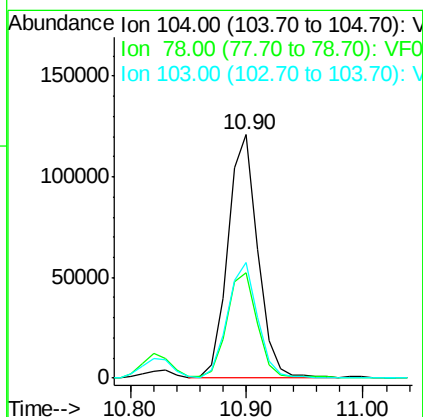
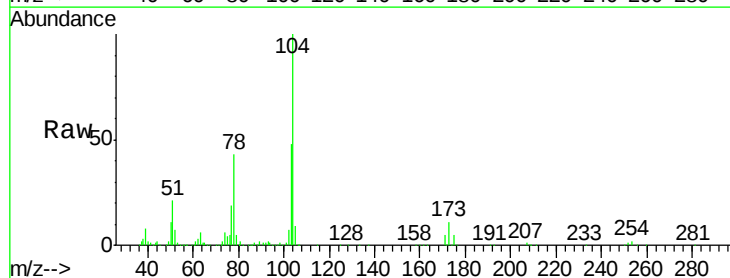
Manual Integrations
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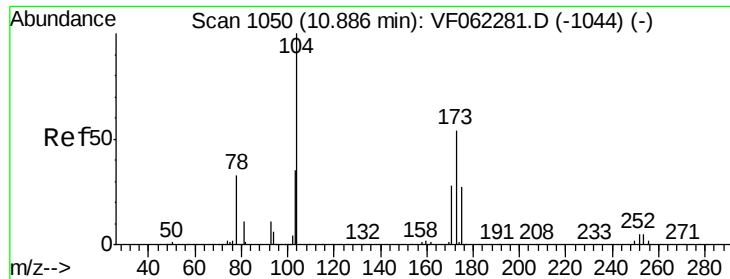
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#70
Styrene
Concen: 21.073 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	213872		
78	78	43.8	35.9	53.9	
103	103	48.2	37.5	56.3	





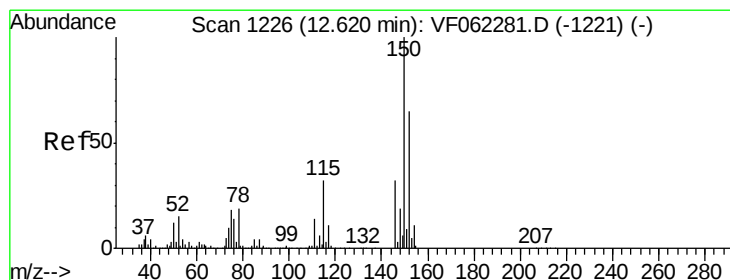
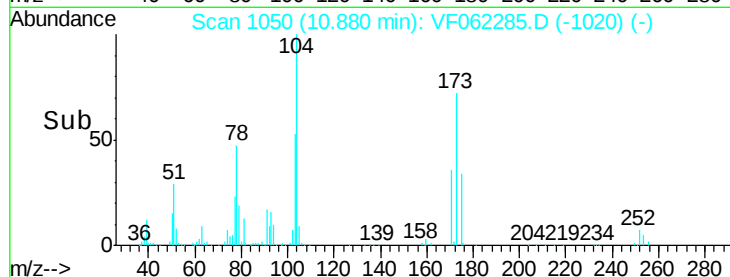
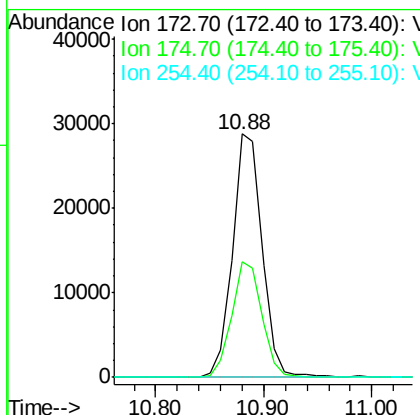
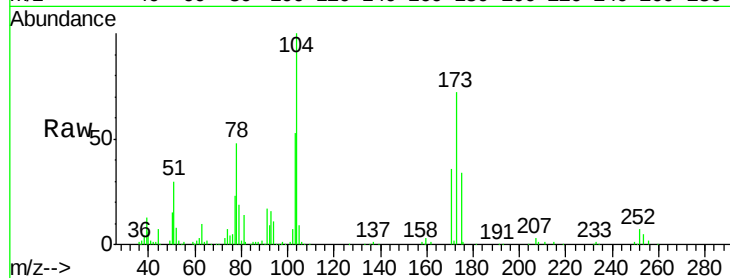
#71
Bromoform
Concen: 21.975 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	25.3	75.9
254	0.0	0.1	0.1#

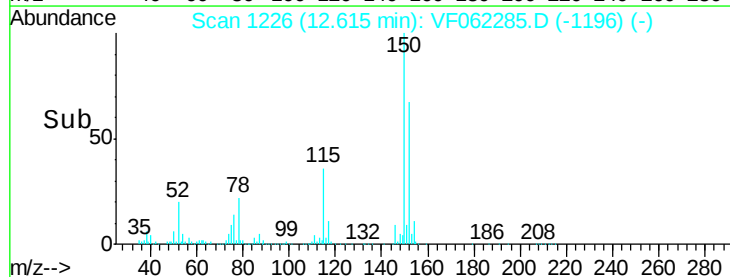
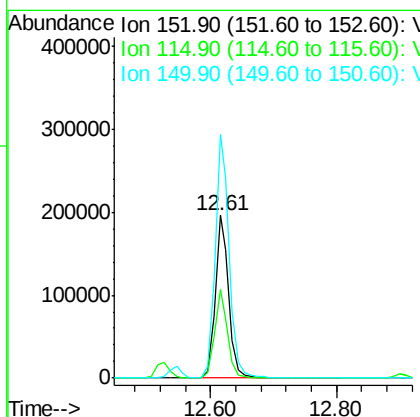
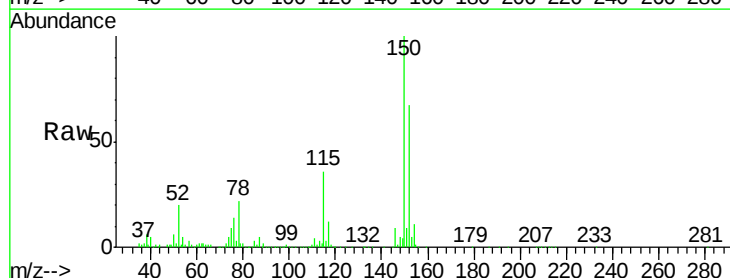
Manual Integrations
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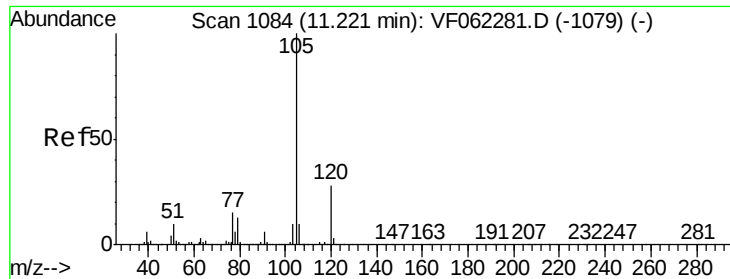
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.7	25.6	76.8
150	157.3	0.0	330.6





#73

Isopropylbenzene

Concen: 19.891 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 419219

Ion Ratio Lower Upper

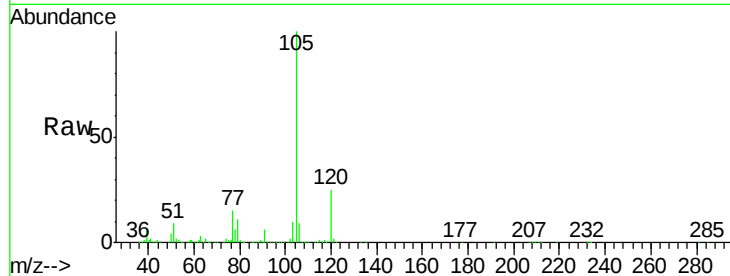
105 100

120 25.1 12.4 37.2

Manual Integrations
APPROVED

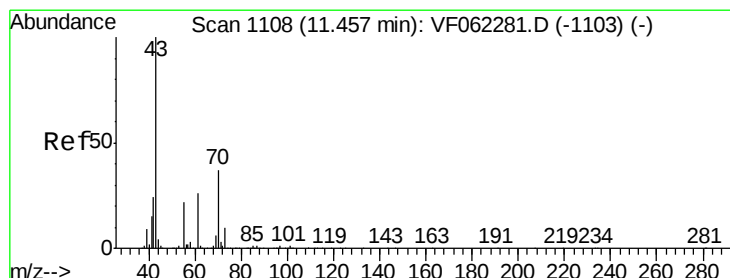
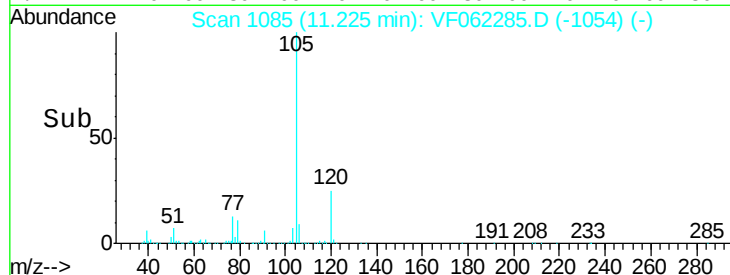
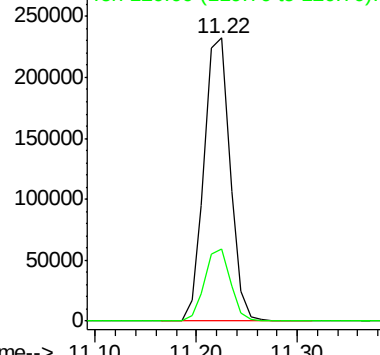
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.609 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion: 43 Resp: 98618

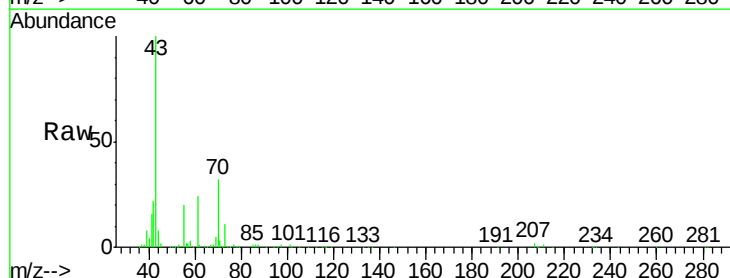
Ion Ratio Lower Upper

43 100

70 33.5 27.8 41.8

55 20.8 16.6 24.8

61 27.6 20.0 30.0

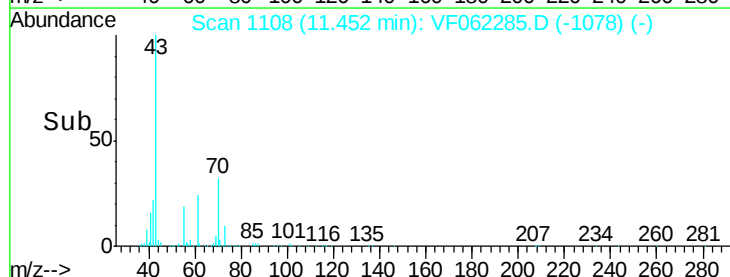
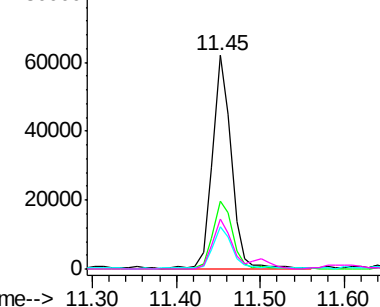


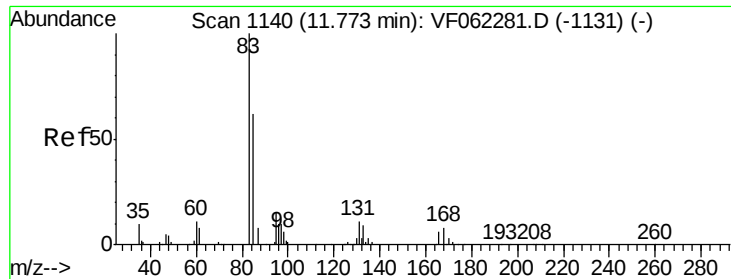
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 22.048 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

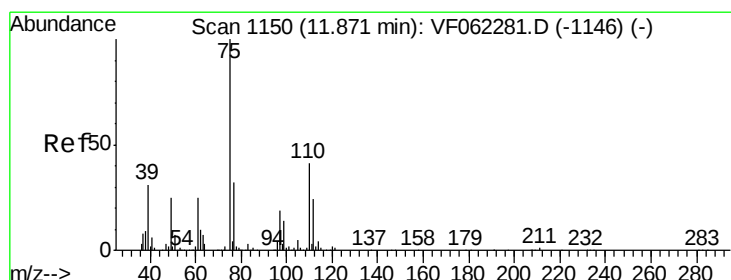
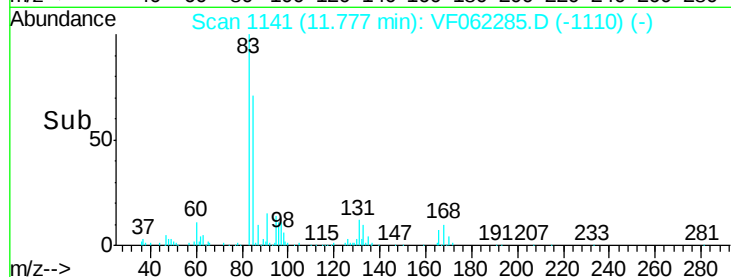
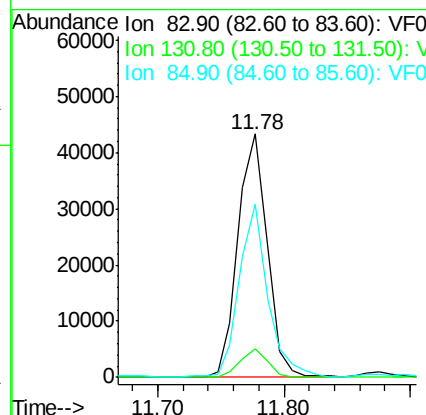
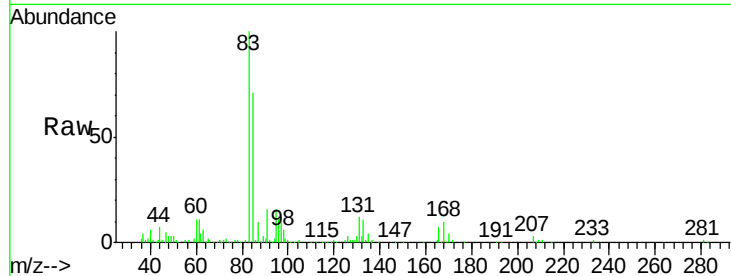
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	69492
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.5
85	69.8	34.5	103.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.998 ug/l

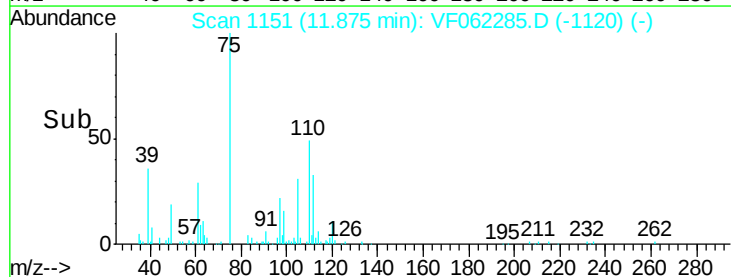
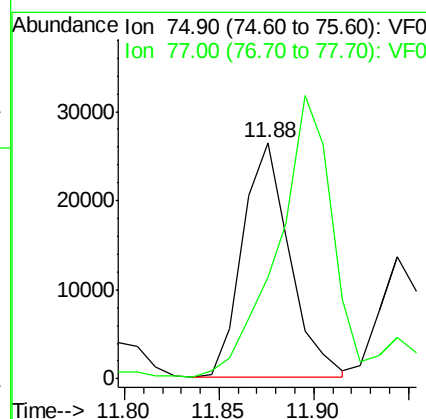
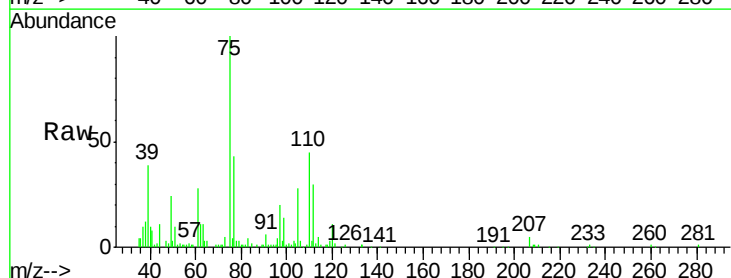
RT: 11.88 min Scan# 1151

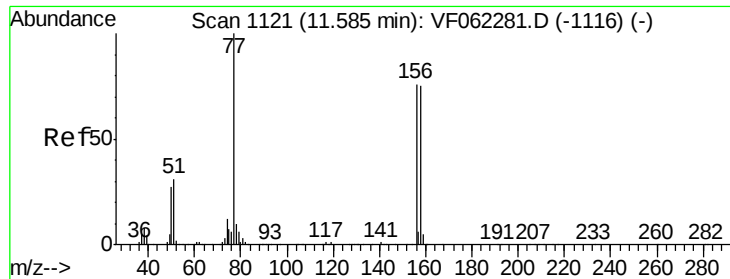
Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:	75	Resp:	45483
Ion Ratio	Lower	Upper	
75	100		
77	140.9	0.0	0.0#





#77

Bromobenzene

Concen: 21.147 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

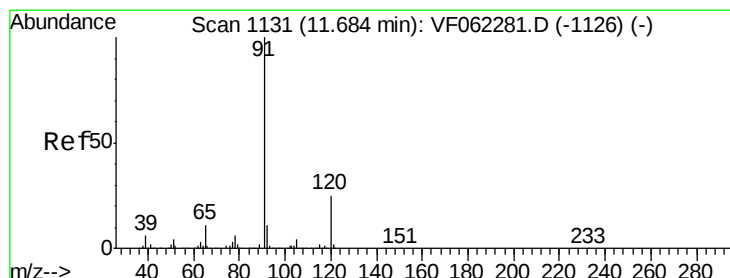
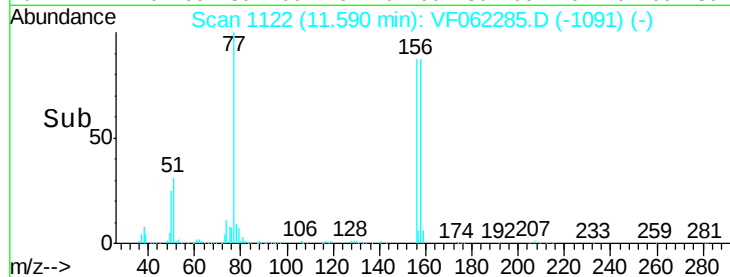
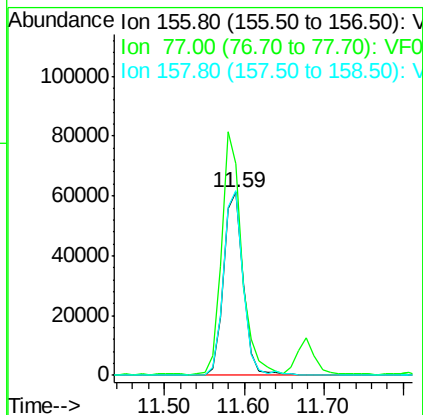
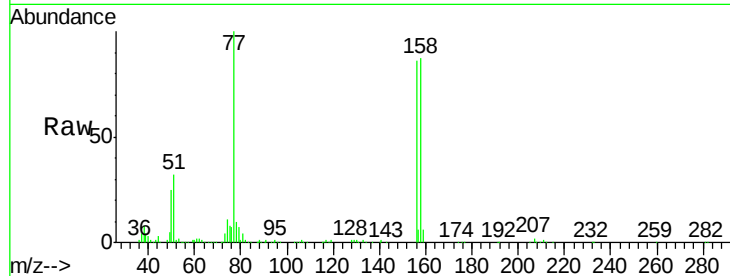
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.1	67.3	201.9
158	100.3	49.5	148.5

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#78

n-propylbenzene

Concen: 20.666 ug/l

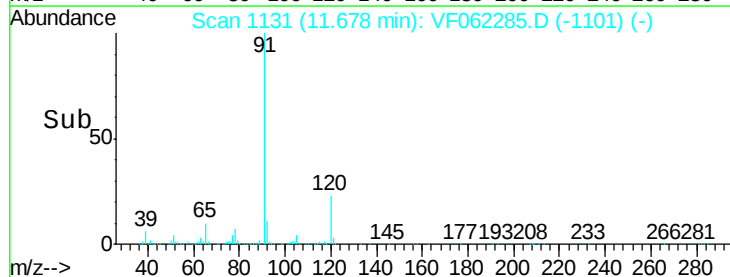
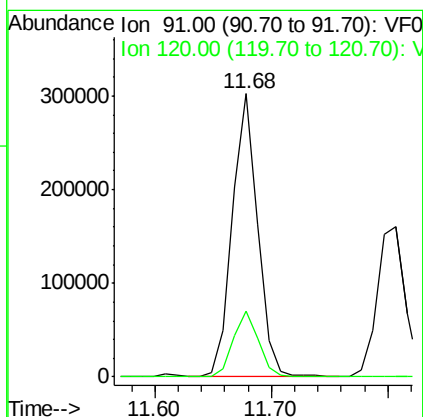
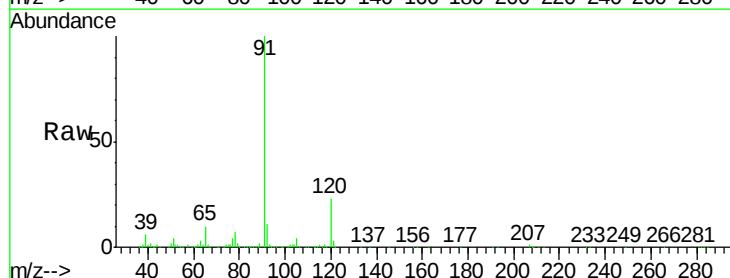
RT: 11.68 min Scan# 1131

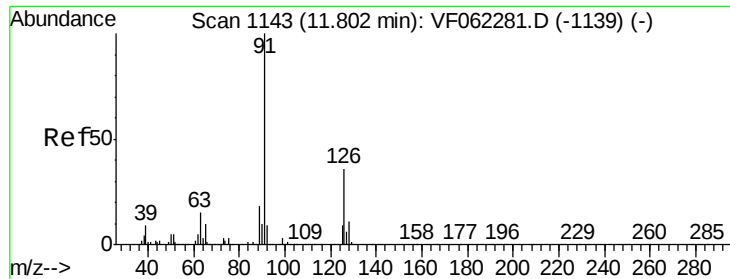
Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.486 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 267039

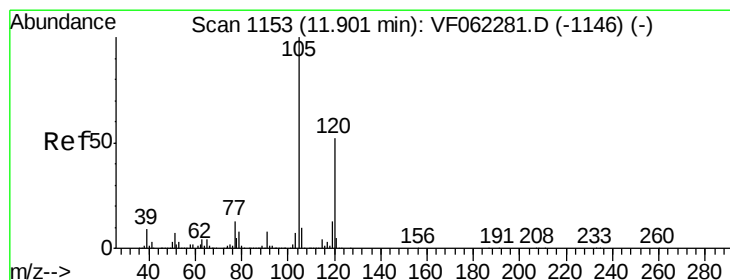
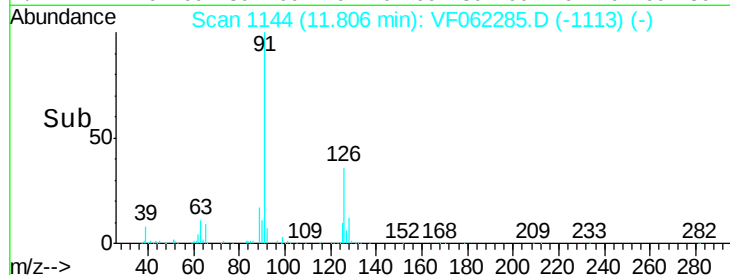
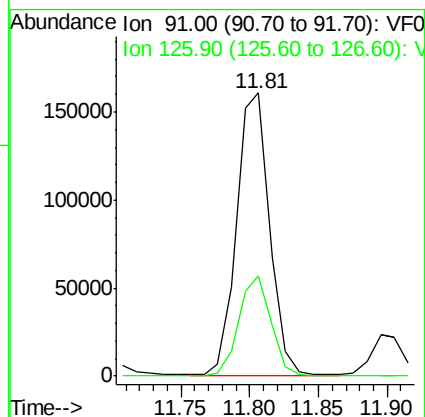
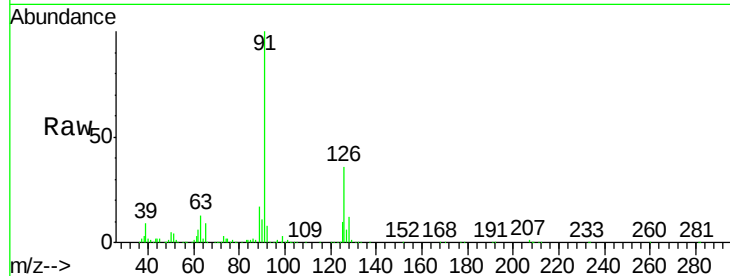
Ion Ratio Lower Upper

91 100

126 35.1 17.9 53.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.282 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF062285.D

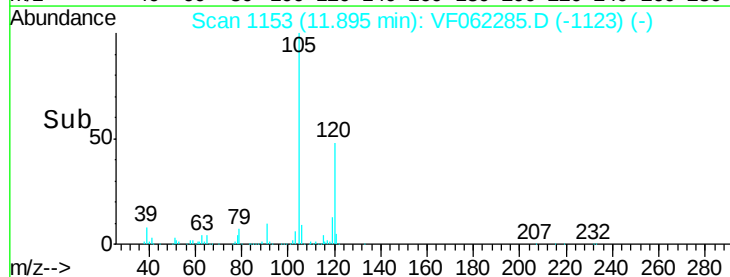
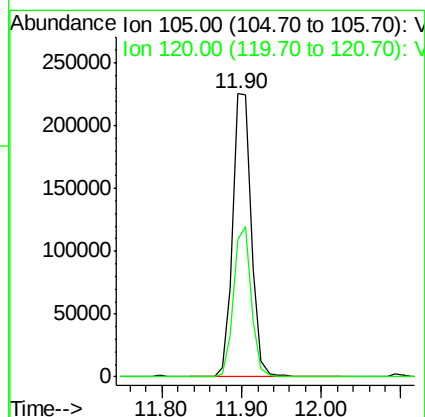
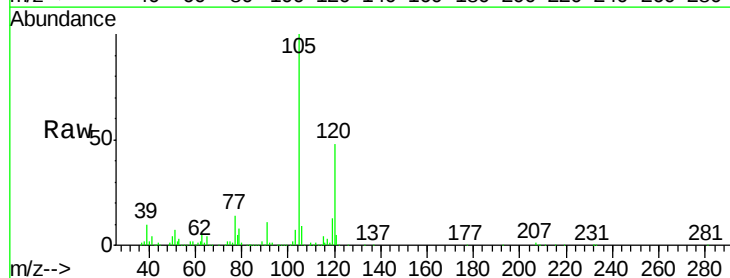
Acq: 24 Apr 2019 17:14

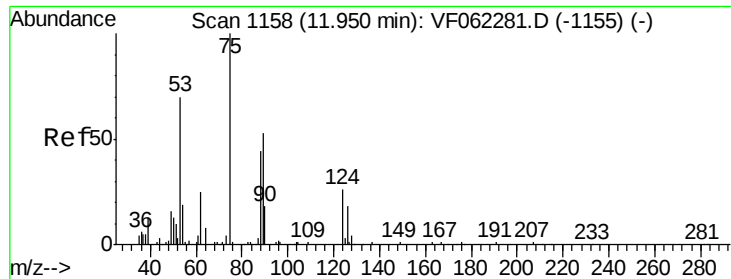
Tgt Ion:105 Resp: 375305

Ion Ratio Lower Upper

105 100

120 50.2 25.8 77.4





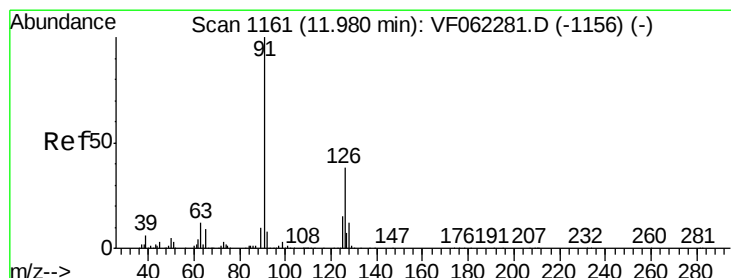
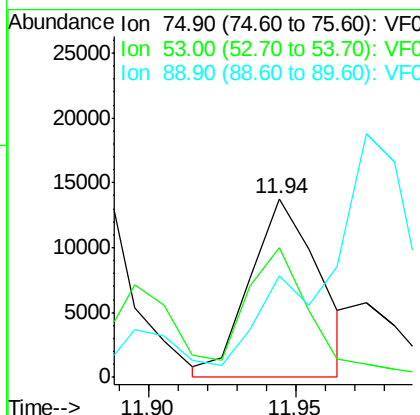
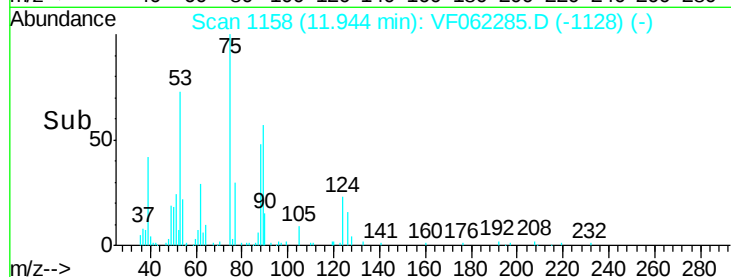
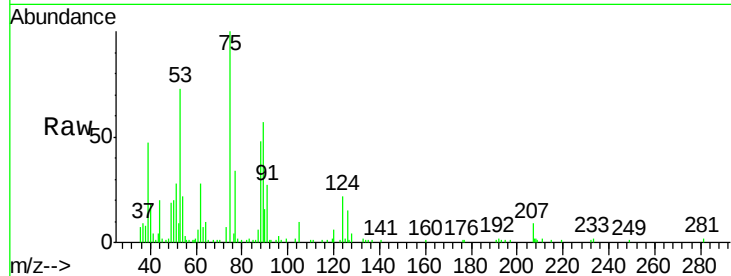
#81
trans-1,4-Dichloro-2-butene
Concen: 16.985 ug/l m
RT: 11.94 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	71.4	67.1	100.7
89	0.0	0.0	0.0

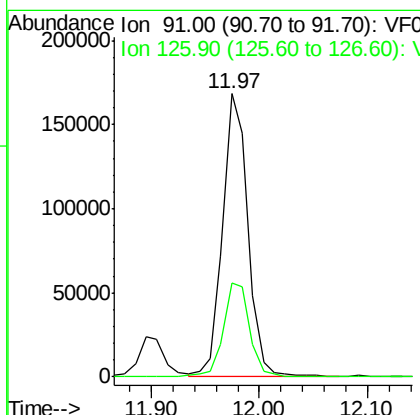
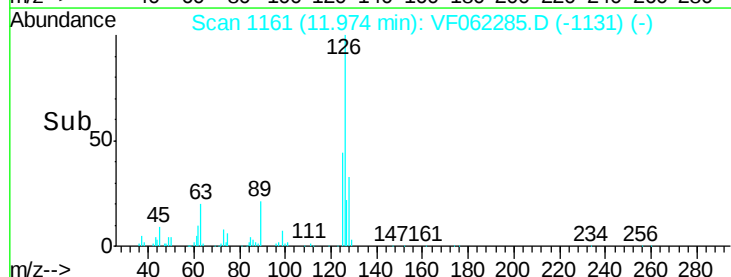
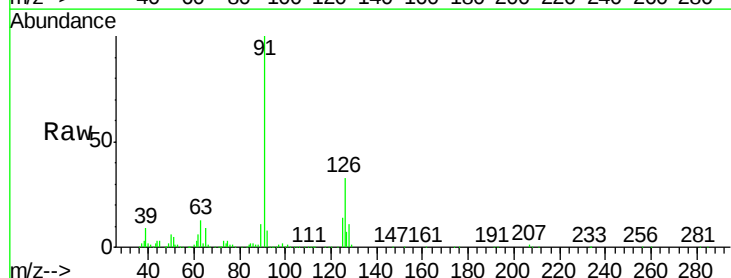
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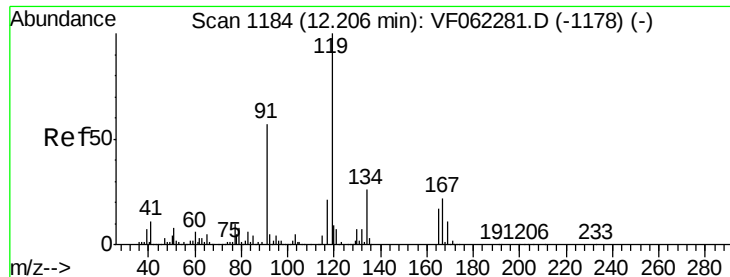
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#82
4-Chlorotoluene
Concen: 21.066 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	52.0





#83

tert-Butylbenzene

Concen: 20.379 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

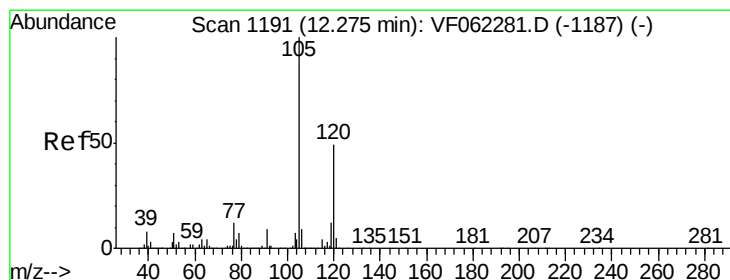
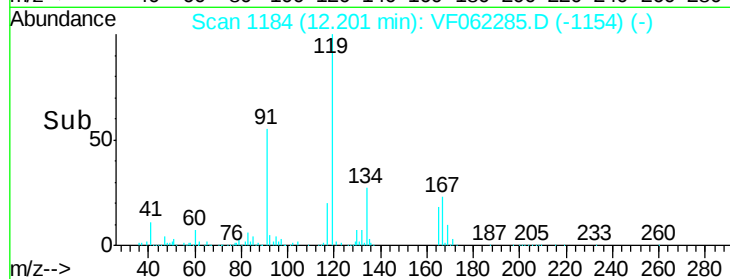
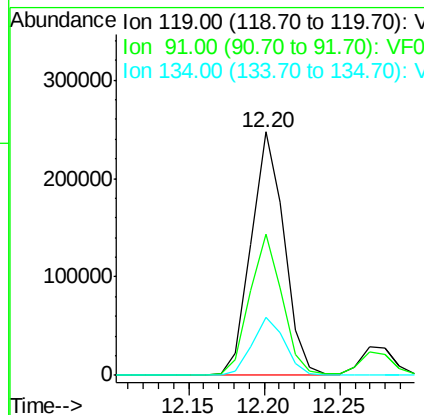
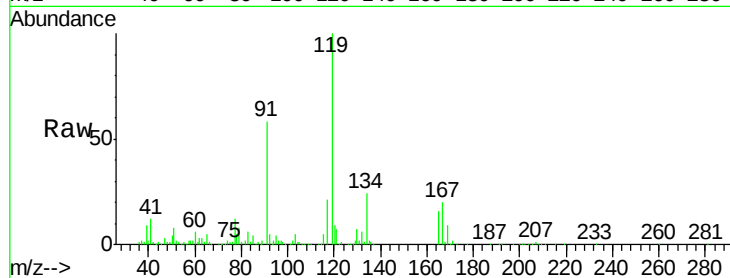
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	376803
Ion Ratio	Lower	Upper	
119	100		
91	56.4	29.4	88.2
134	23.6	11.9	35.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.333 ug/l

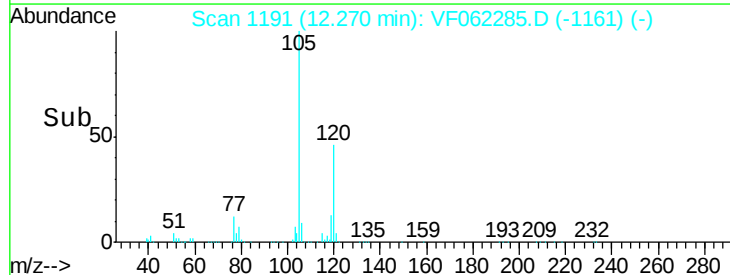
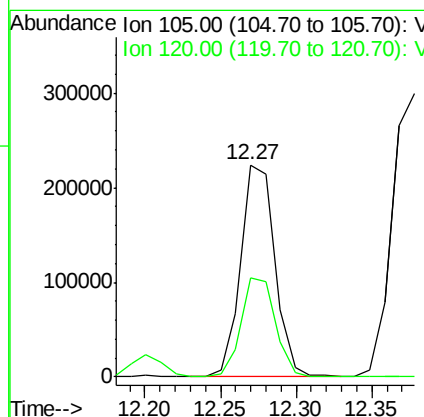
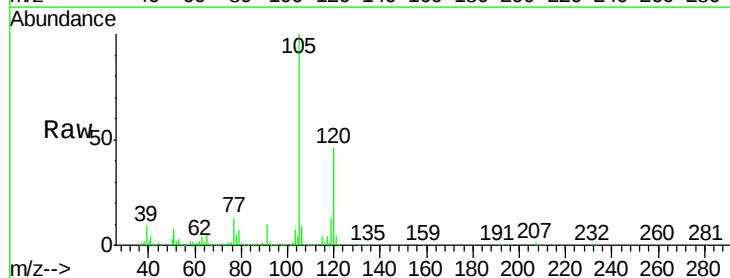
RT: 12.27 min Scan# 1191

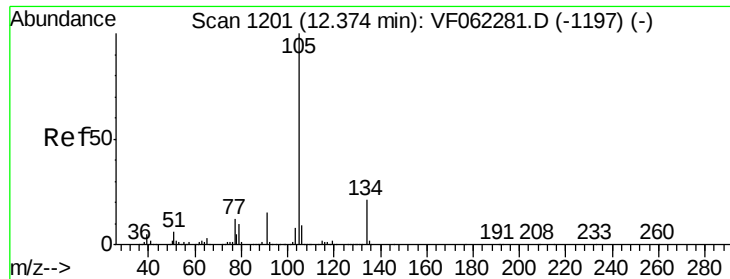
Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:	105	Resp:	352620
Ion Ratio	Lower	Upper	
105	100		
120	46.9	24.1	72.2





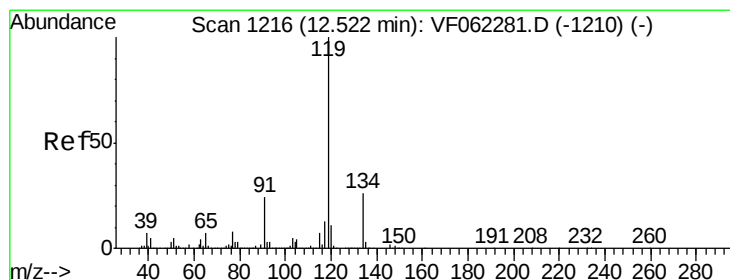
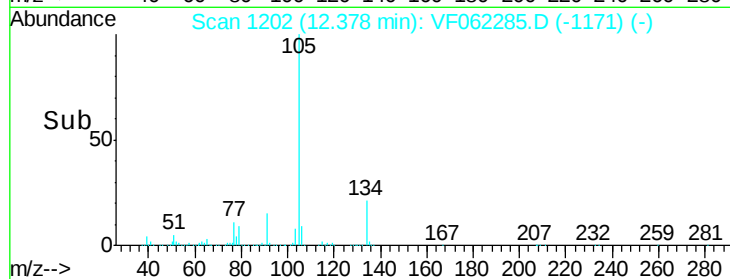
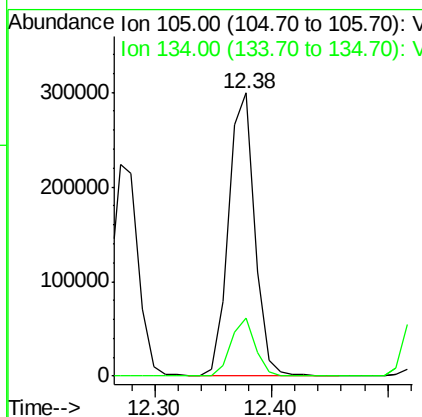
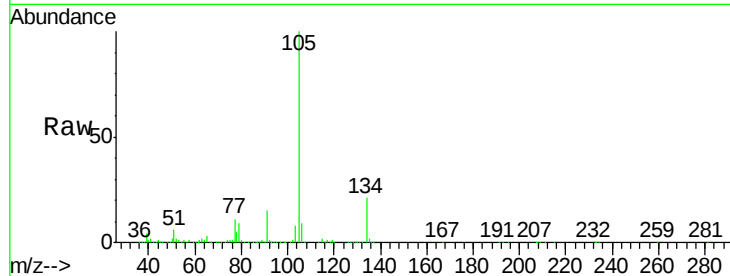
#85
 sec-Butylbenzene
 Concen: 20.253 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	10.2	30.4

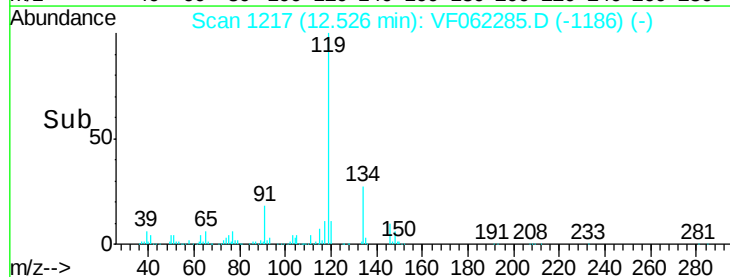
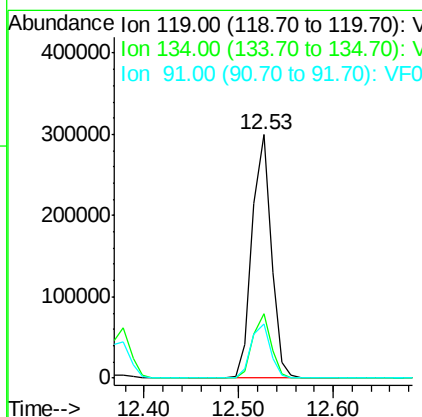
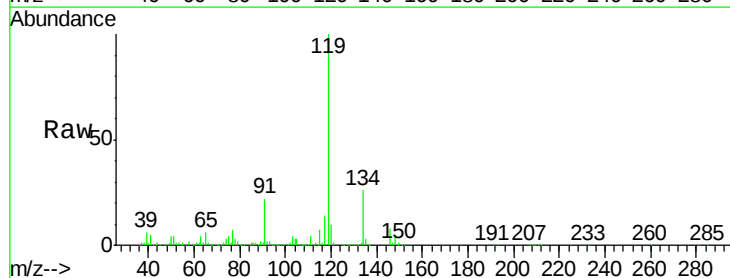
Manual Integrations
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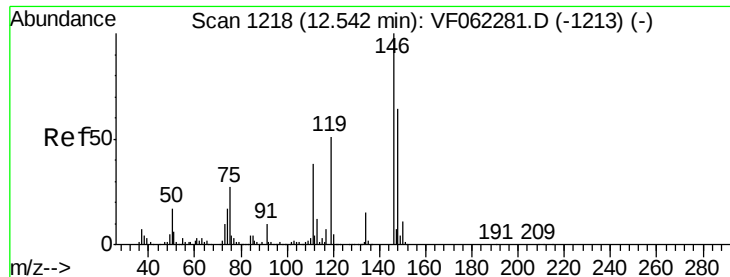
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#86
 p-Isopropyltoluene
 Concen: 20.712 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.2	39.5
91	22.7	11.6	34.7





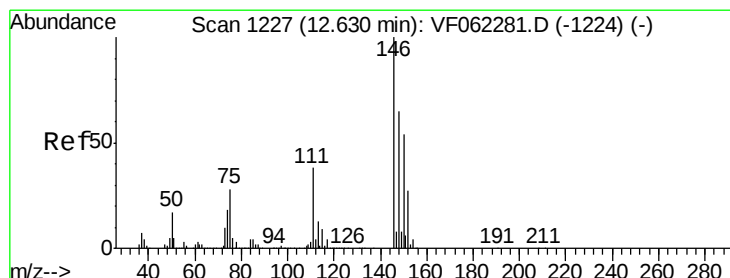
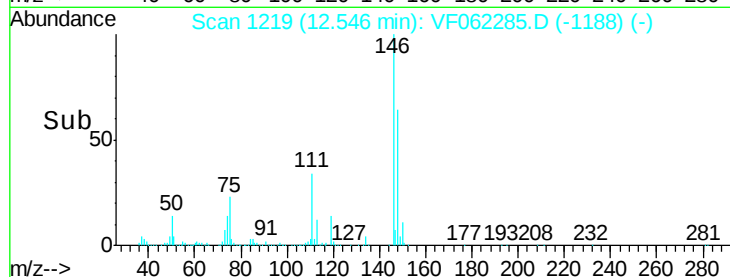
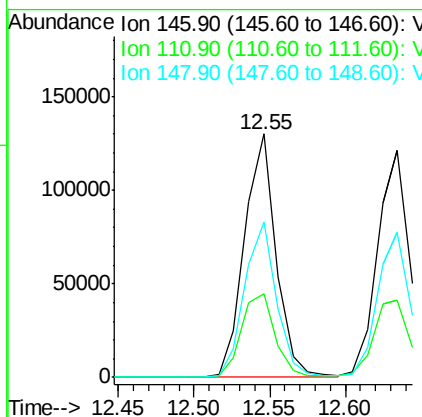
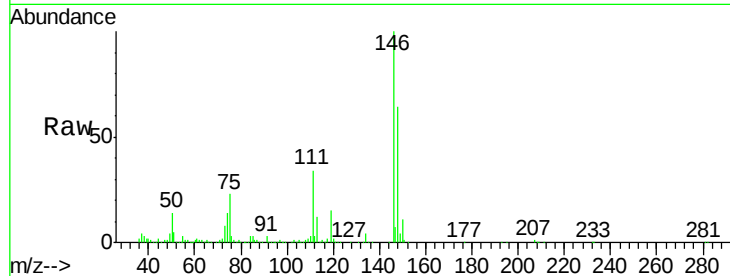
#87
 1,3-Dichlorobenzene
 Concen: 20.504 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189650		
111	37.2	18.6	55.8	
148	64.7	32.8	98.4	

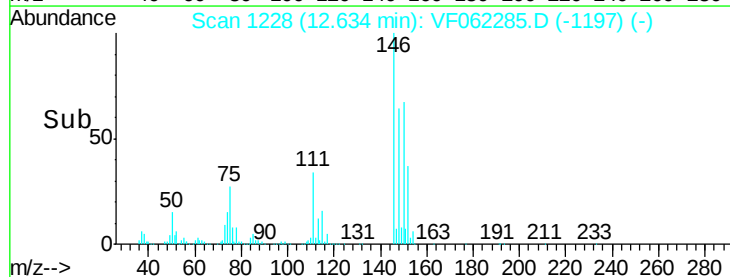
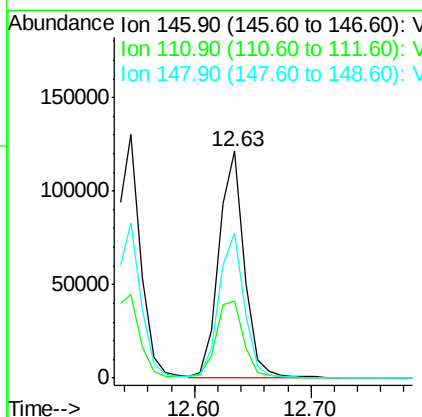
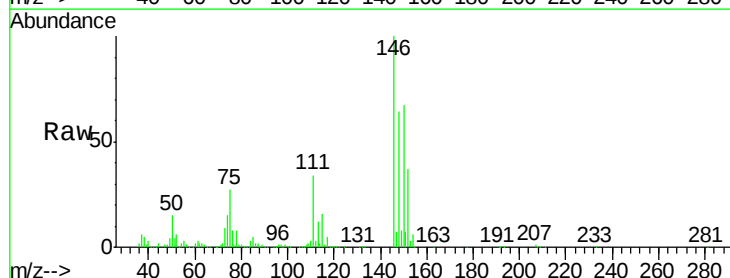
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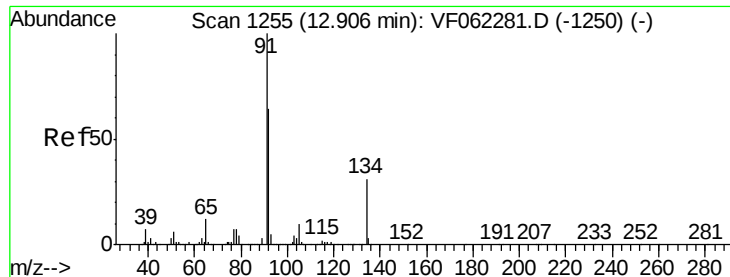
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#88
 1,4-Dichlorobenzene
 Concen: 21.039 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182469		
111	37.5	18.6	56.0	
148	64.1	32.5	97.5	





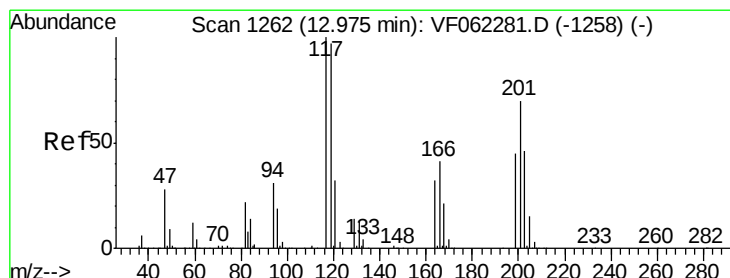
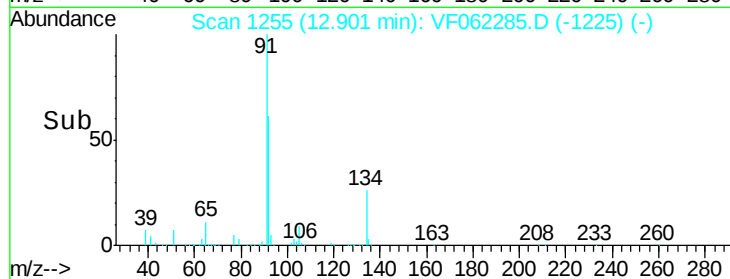
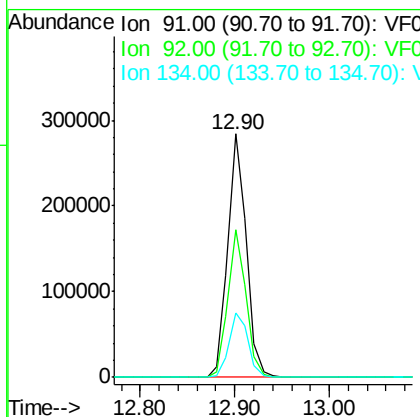
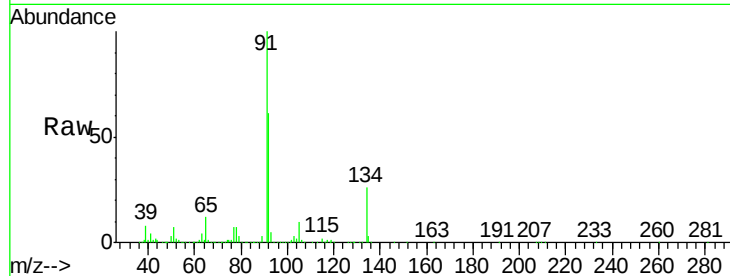
#89
n-Butylbenzene
Concen: 20.201 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	59.7	31.1	93.3	
134	27.1	14.4	43.4	

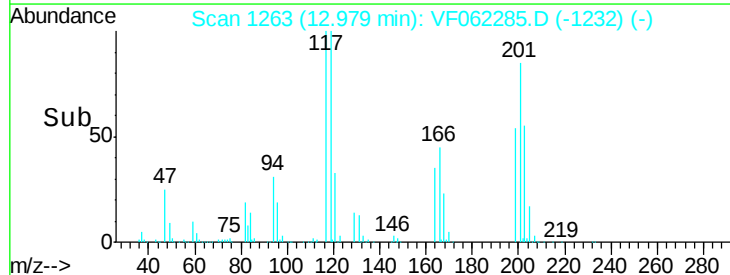
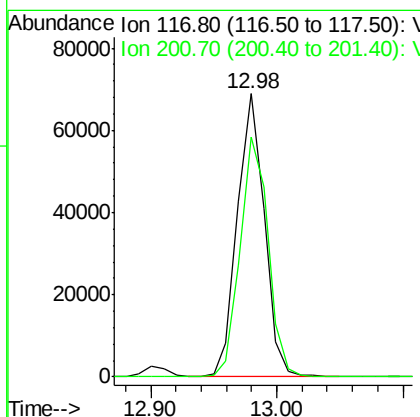
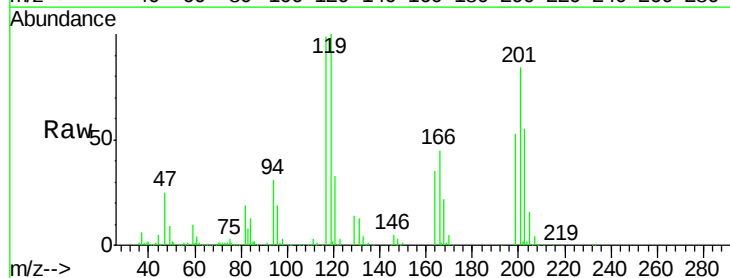
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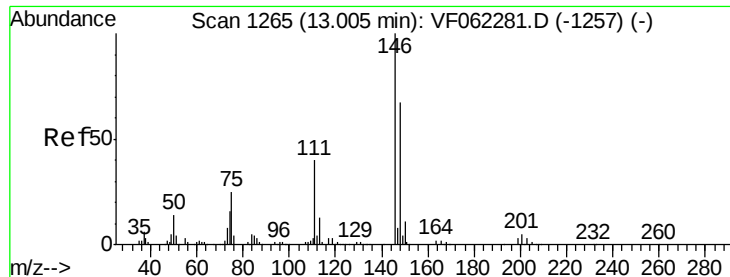
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#90
Hexachloroethane
Concen: 20.111 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.1	42.9	128.5	





#91

1,2-Dichlorobenzene

Concen: 20.963 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

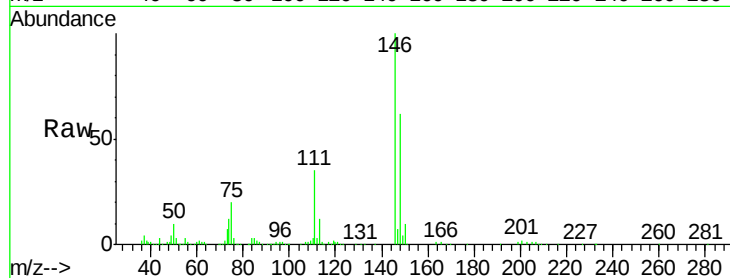
ClientSampleId :

VSTDIC020

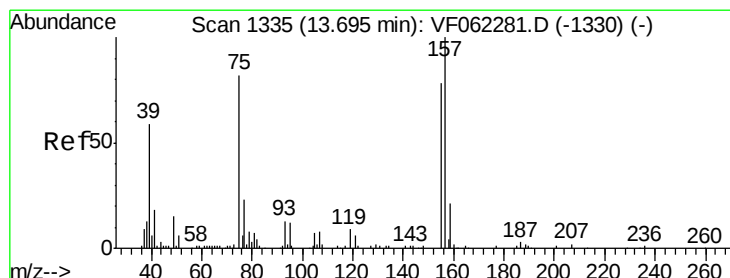
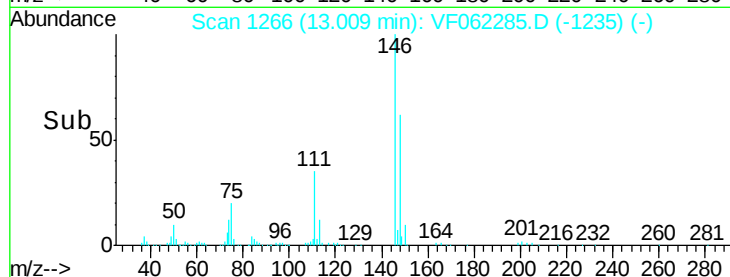
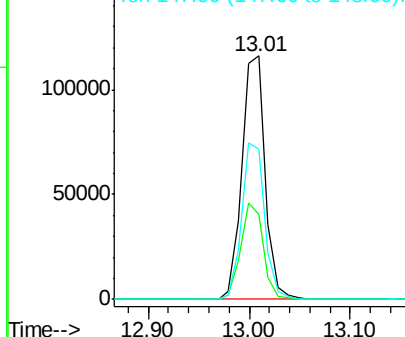
Tot Ion:	146	Resp:	186392
Ion Ratio	Lower	Upper	
146	100		
111	38.2	20.0	59.9
148	63.4	33.1	99.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.973 ug/l

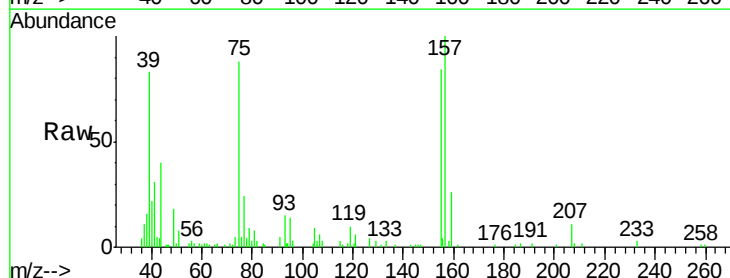
RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

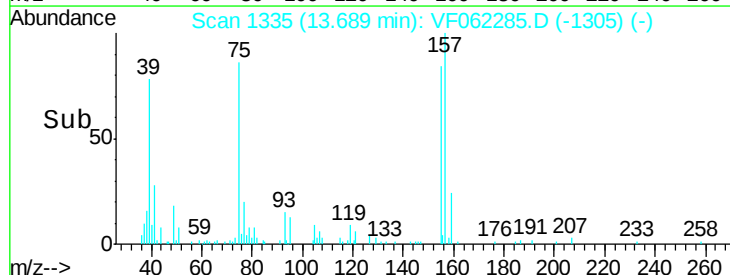
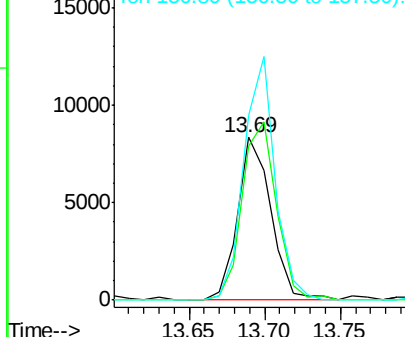
Lab File: VF062285.D

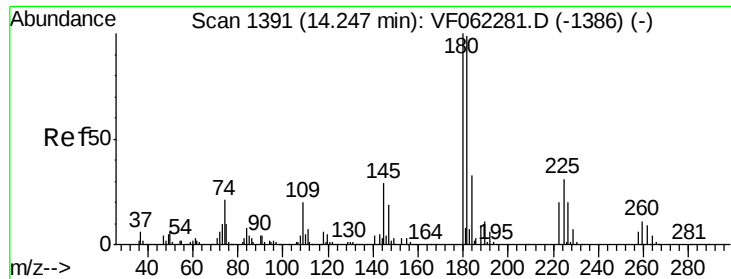
Acq: 24 Apr 2019 17:14

Tgt Ion:	75	Resp:	12796
Ion Ratio	Lower	Upper	
75	100		
155	113.5	51.7	155.2
157	139.3	64.5	193.5



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





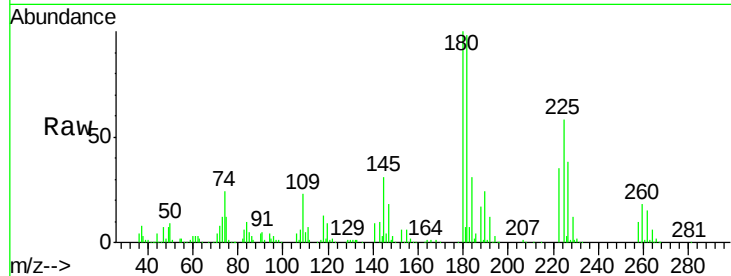
#93
 1,2,4-Trichlorobenzene
 Concen: 20.642 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

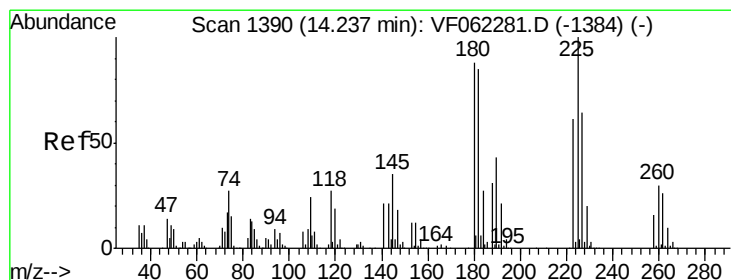
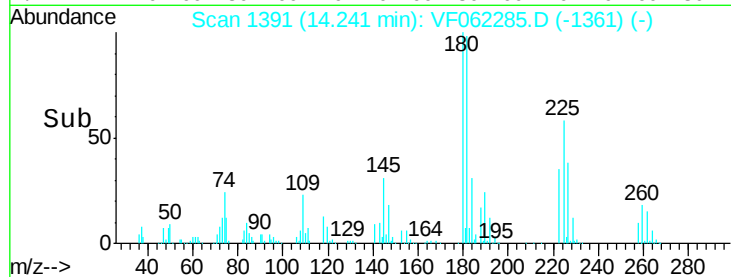
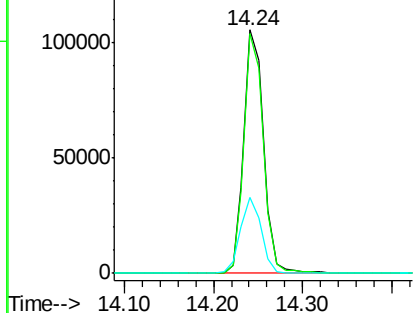
Tot Ion	Ratio	Resp	Lower	Upper
180	100	162612		
182	97.0	48.5	145.6	
145	33.0	16.7	50.1	

Manual Integrations
 APPROVED

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

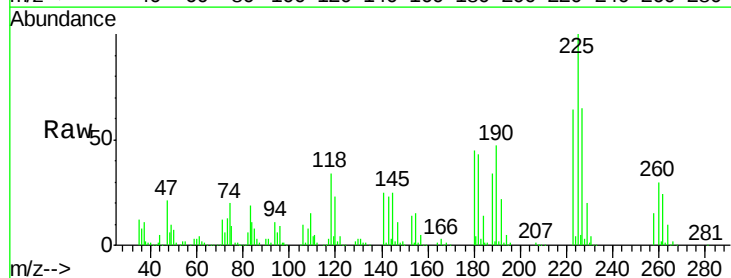


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

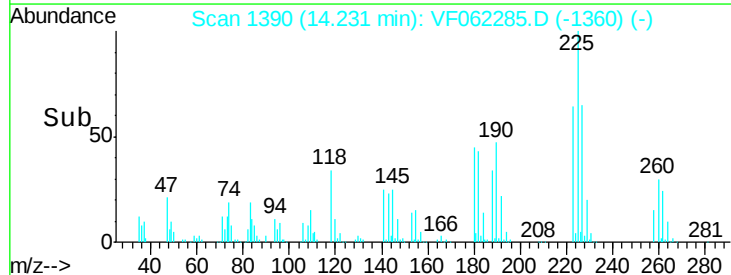
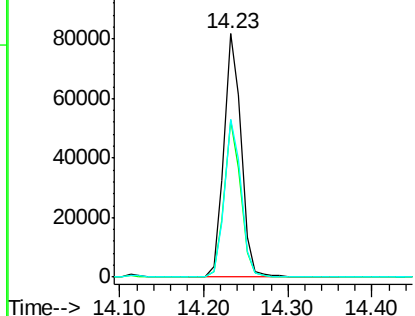


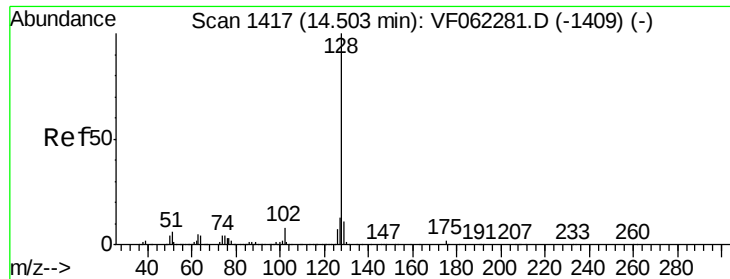
#94
 Hexachlorobutadiene
 Concen: 20.840 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116530		
223	61.3	30.8	92.3	
227	63.1	31.9	95.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





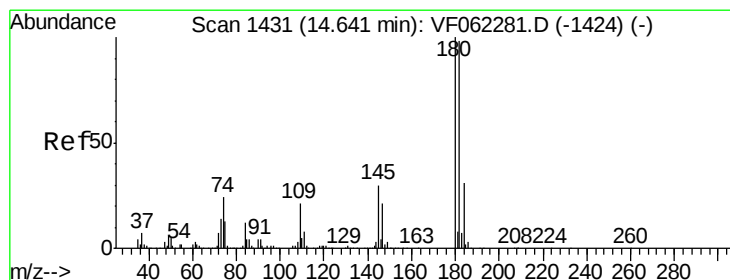
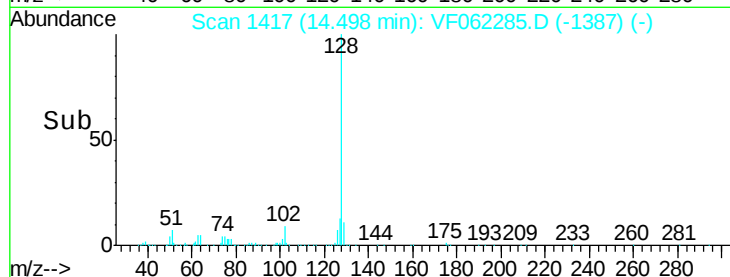
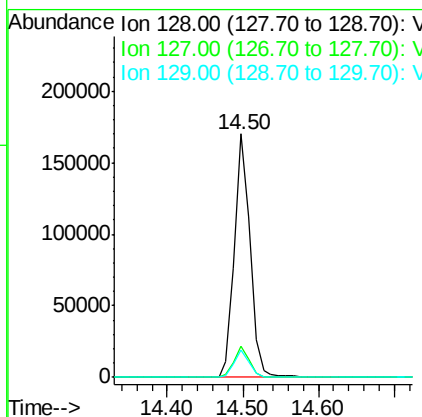
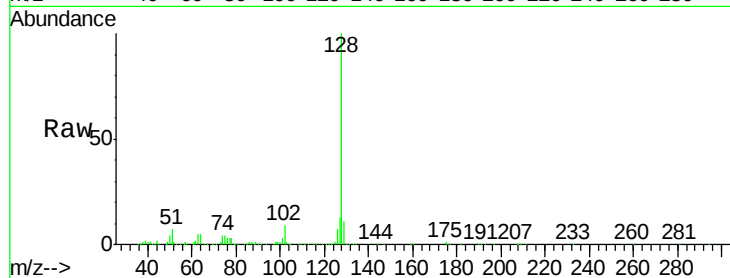
#95
Naphthalene
Concen: 20.676 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	11.2	8.9	13.3

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



#96
1,2,3-Trichlorobenzene
Concen: 21.199 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	49.0	147.2
145	29.8	14.5	43.5

