

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061620\
 Data File : VN061832.D
 Acq On : 16 Jun 2020 17:50
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/17/2020 3:44:52 PM

Quant Time: Jun 17 01:04:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 00:50:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	144070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	257608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	237763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	103298	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	10161	5.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.68%	
35) Dibromofluoromethane	7.55	113	8469	6.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.46%	
50) Toluene-d8	10.06	98	31788	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
62) 4-Bromofluorobenzene	12.38	95	10535	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	6451	4.151	ug/l	96
3) Chloromethane	2.03	50	9067	5.012	ug/l	98
4) Vinyl Chloride	2.16	62	11924	4.918	ug/l	96
5) Bromomethane	2.52	94	10488	7.207	ug/l	98
6) Chloroethane	2.66	64	8351	5.304	ug/l	91
7) Trichlorofluoromethane	2.98	101	13932	4.515	ug/l	98
8) Diethyl Ether	3.37	74	5126	5.310	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	8233	5.867	ug/l	95
10) Methyl Iodide	3.91	142	5221	2.786	ug/l	97
11) Tert butyl alcohol	4.72	59	7369m	31.267	ug/l	
12) 1,1-Dichloroethene	3.69	96	7403	4.965	ug/l	93
13) Acrolein	3.57	56	4720	45.092	ug/l	96
14) Allyl chloride	4.27	41	9980	5.121	ug/l	98
15) Acrylonitrile	4.93	53	16945	26.258	ug/l #	87
16) Acetone	3.78	43	15653	25.427	ug/l	99
17) Carbon Disulfide	4.01	76	19711	5.694	ug/l	95
18) Methyl Acetate	4.28	43	8906	5.658	ug/l #	76
19) Methyl tert-butyl Ether	4.99	73	25660	5.086	ug/l	97
20) Methylene Chloride	4.50	84	10402	4.871	ug/l	92
21) trans-1,2-Dichloroethene	4.98	96	8592	5.095	ug/l	90
22) Diisopropyl ether	5.90	45	23244	5.427	ug/l	92
23) Vinyl Acetate	5.85	43	87426	25.647	ug/l	97
24) 1,1-Dichloroethane	5.80	63	15872	5.804	ug/l	97
25) 2-Butanone	6.79	43	20940	25.463	ug/l	93
26) 2,2-Dichloropropane	6.78	77	12954	5.226	ug/l	86
27) cis-1,2-Dichloroethene	6.78	96	10129	5.339	ug/l	98
28) Bromochloromethane	7.15	49	6676	5.588	ug/l #	99
29) Tetrahydrofuran	7.17	42	13853	25.603	ug/l	99
30) Chloroform	7.33	83	16464	5.482	ug/l	100
31) Cyclohexane	7.62	56	14289	5.857	ug/l #	86
32) 1,1,1-Trichloroethane	7.53	97	13944	5.143	ug/l	99
36) 1,1-Dichloropropene	7.75	75	11379	4.934	ug/l	97
37) Ethyl Acetate	6.88	43	8808	4.791	ug/l	98
38) Carbon Tetrachloride	7.73	117	12301	5.538	ug/l	92

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 ALS Vial : 4 Sample Multiplier: 1

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Manual Integrations
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MMDadoda
 6/17/2020 3:44:52 PM

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	11442	4.093	ug/l	93
40) Benzene	8.00	78	36580	5.154	ug/l	97
41) Methacrylonitrile	7.13	41	4004	4.755	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	12406	5.199	ug/l	100
43) Isopropyl Acetate	8.12	43	15418	4.675	ug/l #	88
44) Trichloroethene	8.80	130	9611	4.545	ug/l	94
45) 1,2-Dichloropropane	9.09	63	9344	5.509	ug/l	99
46) Dibromomethane	9.17	93	6358	4.948	ug/l	95
47) Bromodichloromethane	9.37	83	12944	5.084	ug/l	97
48) Methyl methacrylate	9.17	41	6971	4.681	ug/l	97
49) 1,4-Dioxane	9.17	88	3192	127.499	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	45194	24.221	ug/l	99
52) Toluene	10.12	92	22492	4.872	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	13128	4.791	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	13942	4.712	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	9068	4.940	ug/l	99
56) Ethyl methacrylate	10.40	69	10392	4.085	ug/l	98
57) 1,3-Dichloropropane	10.68	76	15496	5.245	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	22058	20.622	ug/l	100
59) 2-Hexanone	10.72	43	30295	22.606	ug/l	96
60) Dibromochloromethane	10.87	129	9801	4.748	ug/l	100
61) 1,2-Dibromoethane	10.98	107	9504	4.986	ug/l	100
64) Tetrachloroethene	10.60	164	7898	3.712	ug/l	95
65) Chlorobenzene	11.41	112	25755	5.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	9009	4.909	ug/l	93
67) Ethyl Benzene	11.48	91	40666	4.735	ug/l	97
68) m/p-Xylenes	11.60	106	31567	9.303	ug/l	100
69) o-Xylene	11.92	106	14859	4.605	ug/l	99
70) Styrene	11.94	104	23410	4.376	ug/l	98
71) Bromoform	12.10	173	5862	4.191	ug/l #	99
73) Isopropylbenzene	12.22	105	38559	5.080	ug/l	100
74) N-amyl acetate	12.05	43	11037	4.612	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	13067	6.050	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	12311m	6.476	ug/l	
77) Bromobenzene	12.50	156	9948	5.183	ug/l	98
78) n-propylbenzene	12.57	91	42271	4.978	ug/l	99
79) 2-Chlorotoluene	12.65	91	26197	5.176	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	31420	4.960	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	3460	4.686	ug/l	88
82) 4-Chlorotoluene	12.75	91	26349	4.956	ug/l	99
83) tert-Butylbenzene	12.97	119	27112	4.868	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	30245	4.806	ug/l	97
85) sec-Butylbenzene	13.15	105	35121	4.891	ug/l	99
86) p-Isopropyltoluene	13.26	119	30047	4.557	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	17104	4.997	ug/l	96
88) 1,4-Dichlorobenzene	13.34	146	18196	5.224	ug/l	94
89) n-Butylbenzene	13.59	91	23621	4.289	ug/l	98
90) Hexachloroethane	13.85	117	5740	7.166	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	18069	5.516	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	2019	4.701	ug/l	95

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ALS Vial : 4 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
VSTDICC005

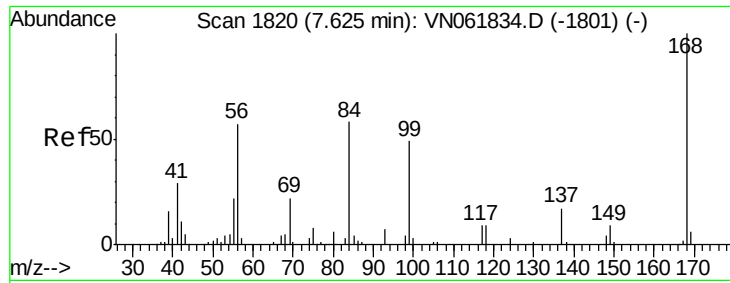
Manual Integrations
APPROVED

MMDadoda
6/17/2020 3:44:52 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 00:50:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	6889	3.717	ug/l	93
94) Hexachlorobutadiene	14.98	225	3236	4.106	ug/l	95
95) Naphthalene	15.10	128	17730	3.182	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	6582	3.611	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 144070

Ion Ratio Lower Upper

168 100

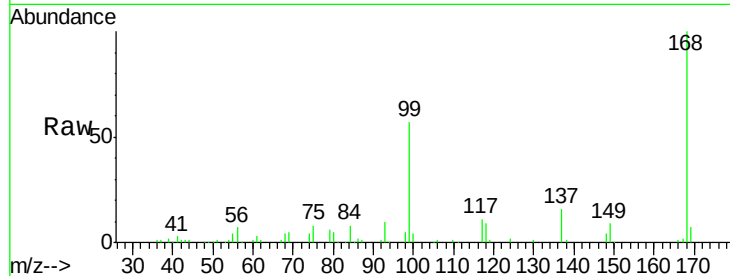
99 57.0 44.6 67.0

Manual Integrations

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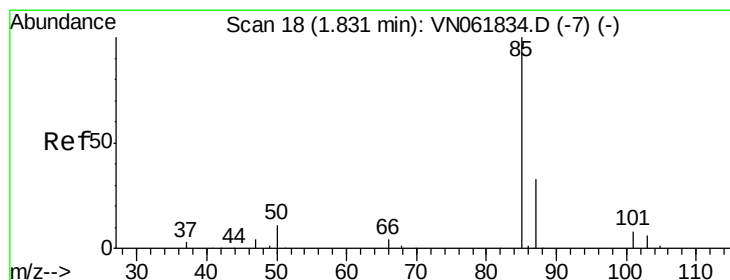
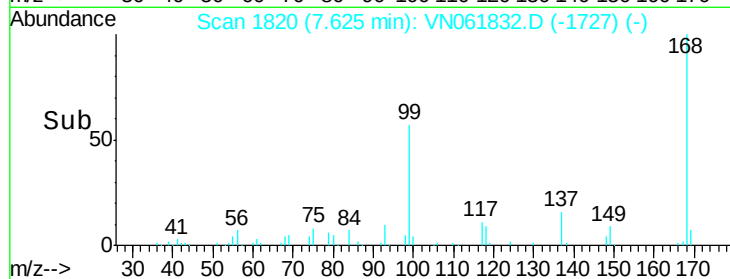
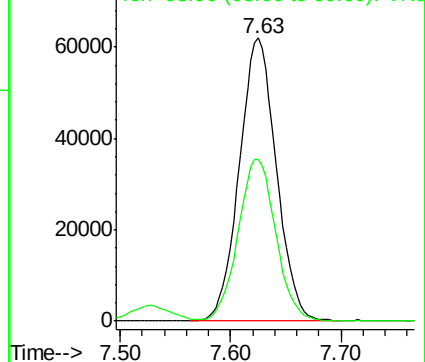
MMDadoda

6/17/2020 3:44:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 4.151 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061832.D

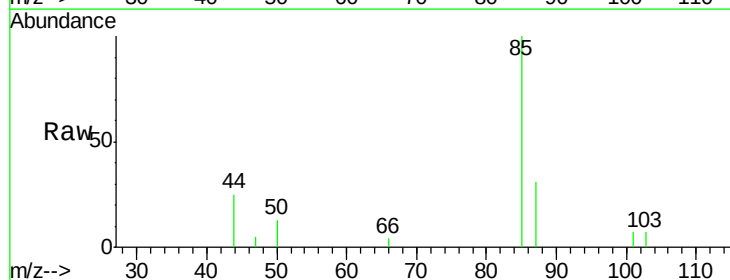
Acq: 16 Jun 2020 17:50

Tgt Ion: 85 Resp: 6451

Ion Ratio Lower Upper

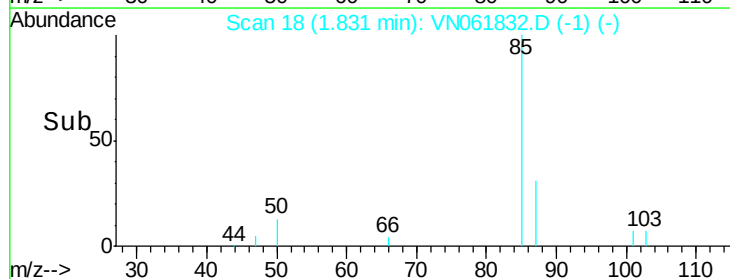
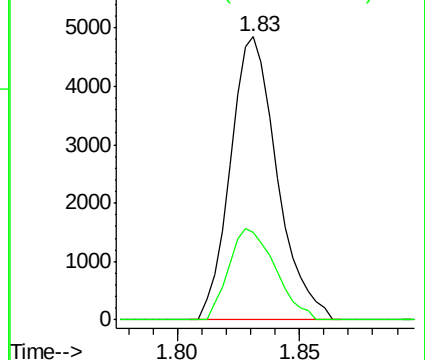
85 100

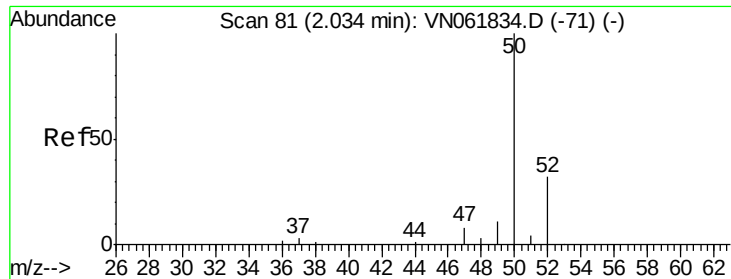
87 30.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 5.012 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 9067

Ion Ratio Lower Upper

50 100

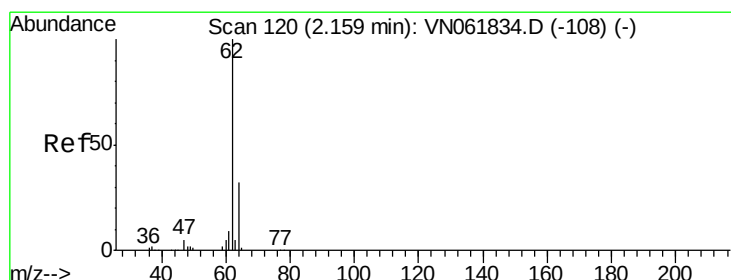
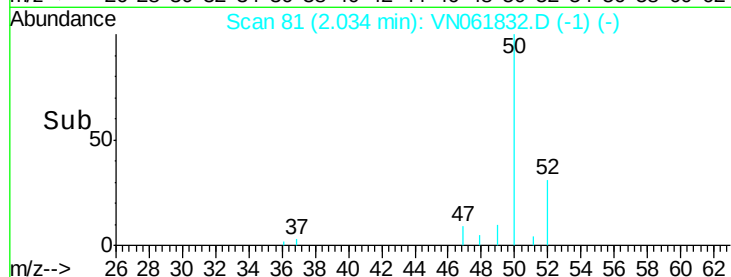
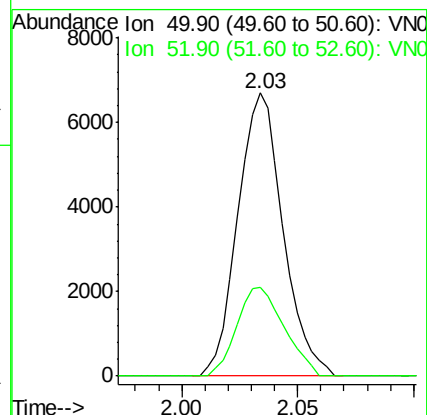
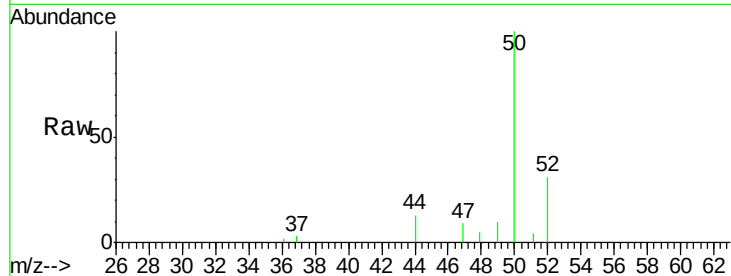
52 31.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.918 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061832.D

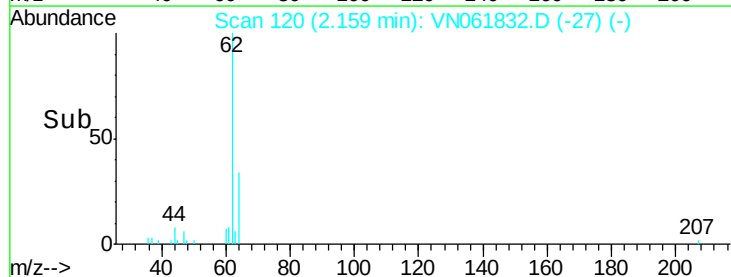
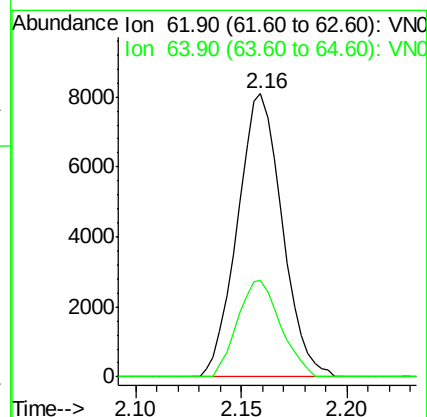
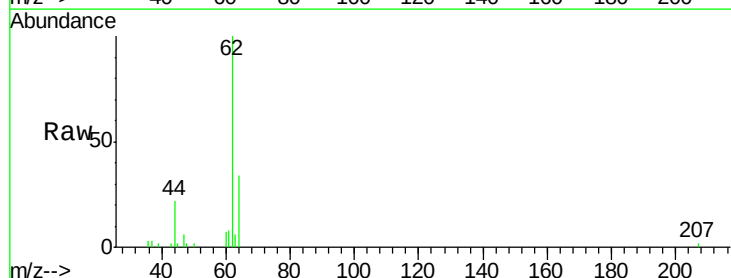
Acq: 16 Jun 2020 17:50

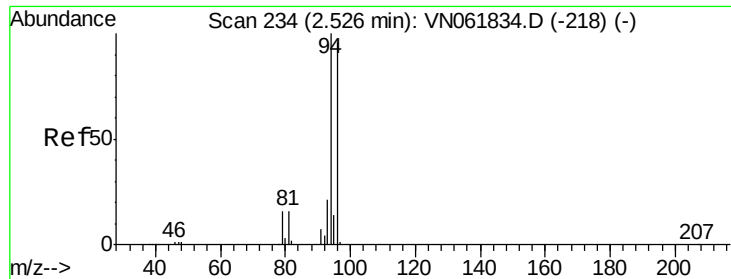
Tgt Ion: 62 Resp: 11924

Ion Ratio Lower Upper

62 100

64 34.2 25.5 38.3





#5

Bromomethane

Concen: 7.207 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 10488

Ion Ratio Lower Upper

94 100

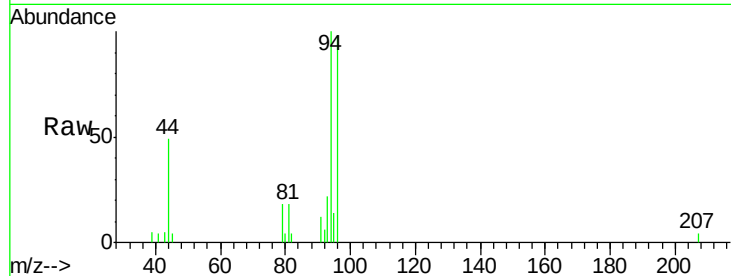
96 97.8 76.7 115.1

Manual Integrations

APPROVED

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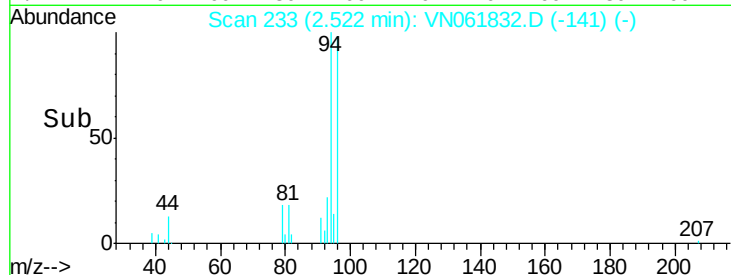


Abundance Ion 93.90 (93.60 to 94.60): VN061832.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN061832.D (-141) (-)

2.52

Time-->



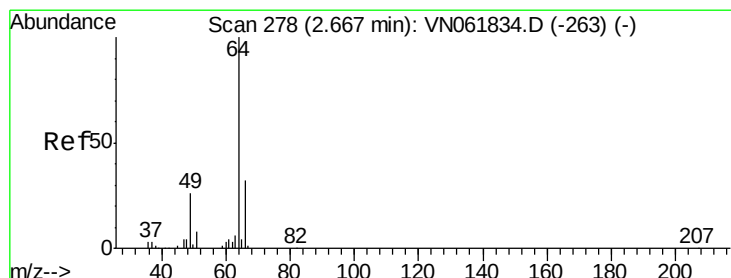
Abundance

Ion 93.90 (93.60 to 94.60): VN061832.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN061832.D (-141) (-)

2.52

Time-->



#6

Chloroethane

Concen: 5.304 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN061832.D

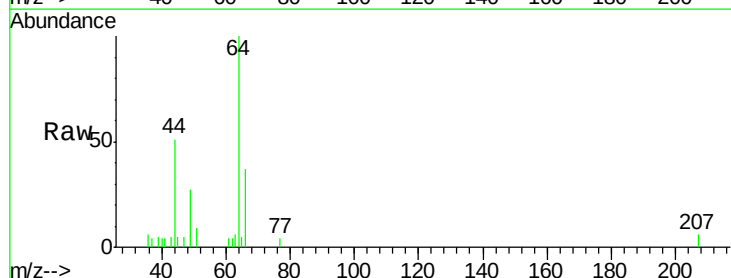
Acq: 16 Jun 2020 17:50

Tgt Ion: 64 Resp: 8351

Ion Ratio Lower Upper

64 100

66 37.1 25.4 38.2

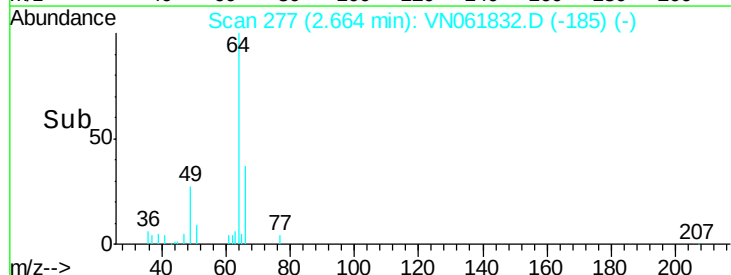


Abundance Ion 63.90 (63.60 to 64.60): VN061832.D (-185) (-)

Ion 65.90 (65.60 to 66.60): VN061832.D (-185) (-)

2.66

Time-->



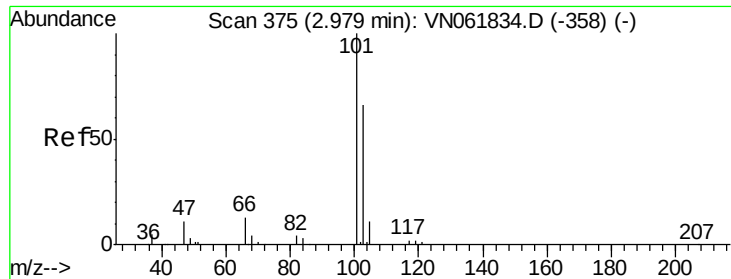
Abundance

Ion 63.90 (63.60 to 64.60): VN061832.D (-185) (-)

Ion 65.90 (65.60 to 66.60): VN061832.D (-185) (-)

2.66

Time-->



#7

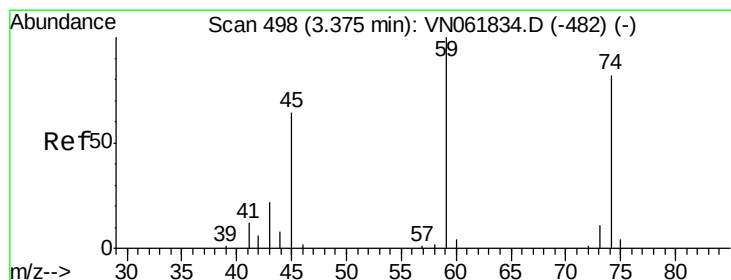
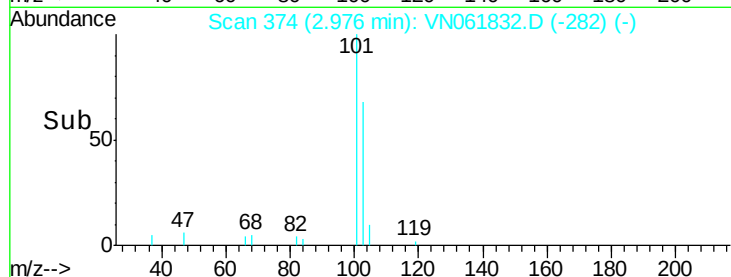
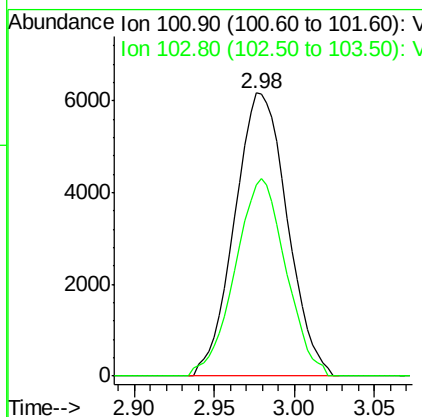
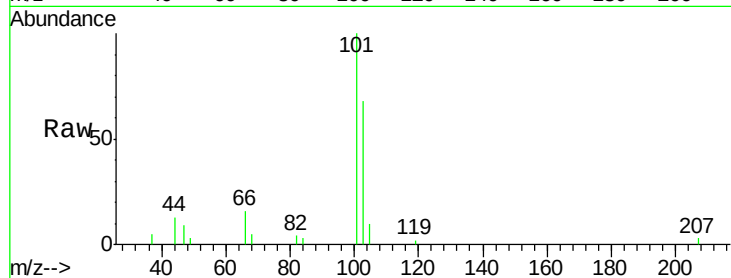
Trichlorofluoromethane
Concen: 4.515 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

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VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	52.8	79.2

Manual Integrations
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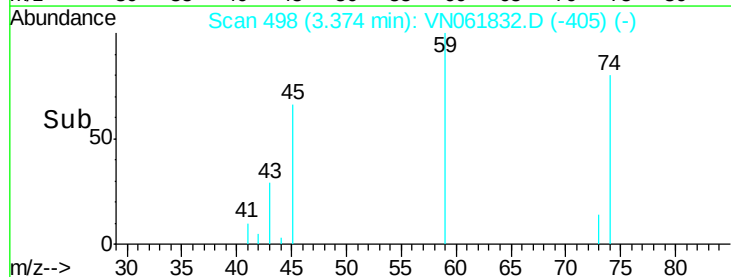
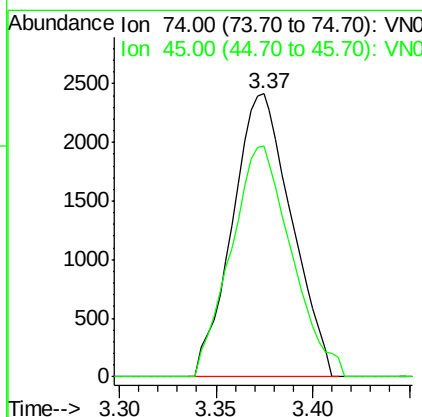
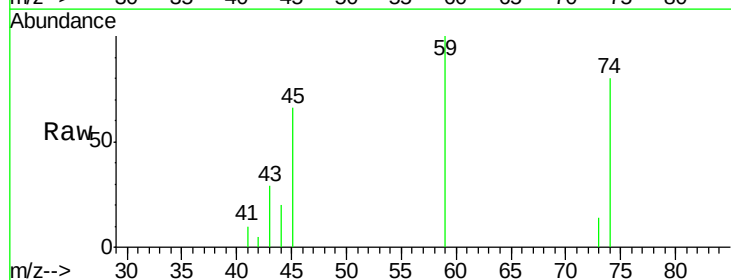
MMDadoda
6/17/2020 3:44:52 PM

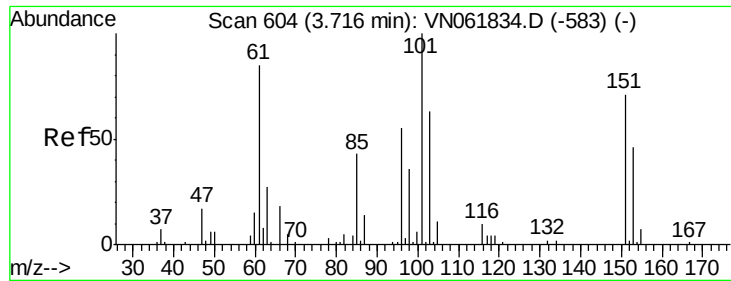


#8

Diethyl Ether
Concen: 5.310 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.5	39.1	117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.867 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

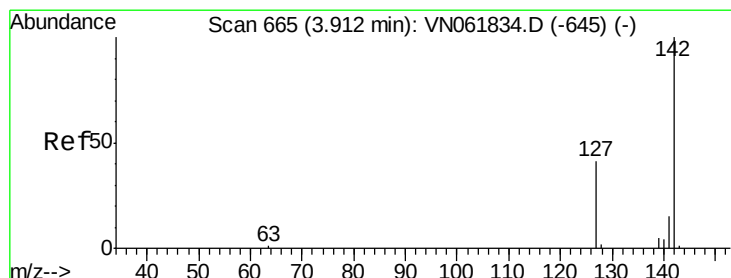
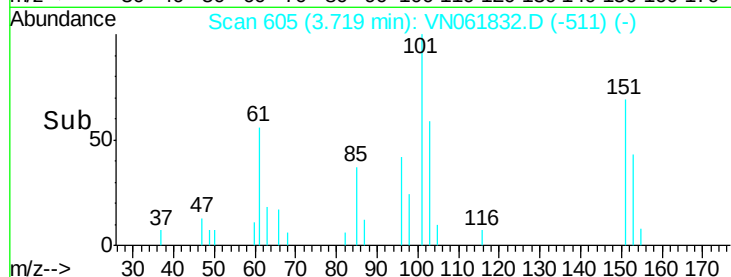
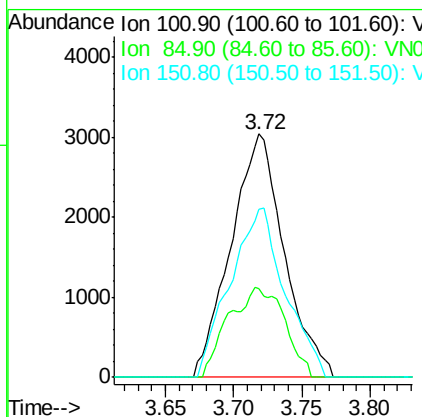
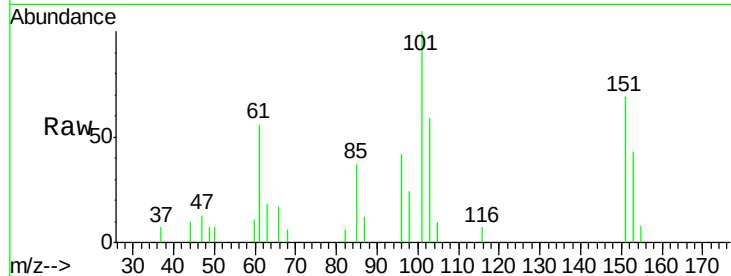
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	8233
Ion Ratio	Lower	Upper	
101	100		
85	38.9	35.0	52.6
151	71.6	59.2	88.8

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#10

Methyl Iodide

Concen: 2.786 ug/l

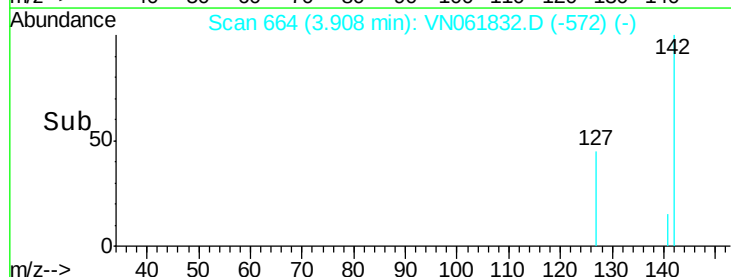
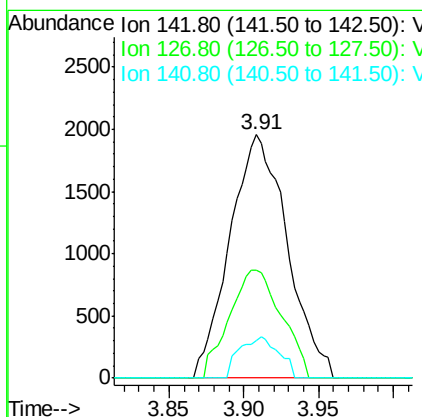
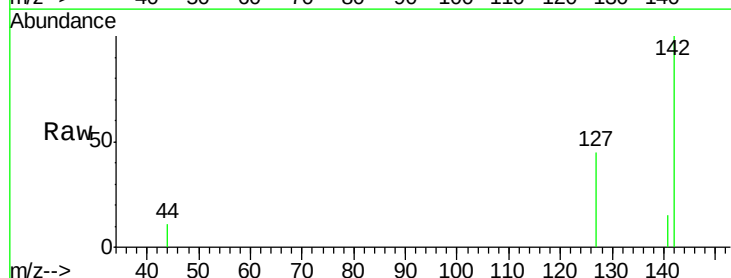
RT: 3.91 min Scan# 664

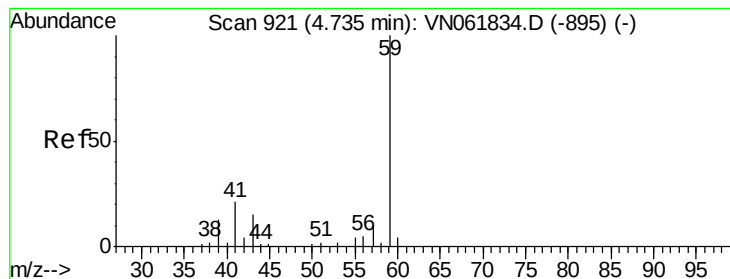
Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Tgt Ion:	142	Resp:	5221
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.4	50.0
141	11.6	11.3	16.9





#11

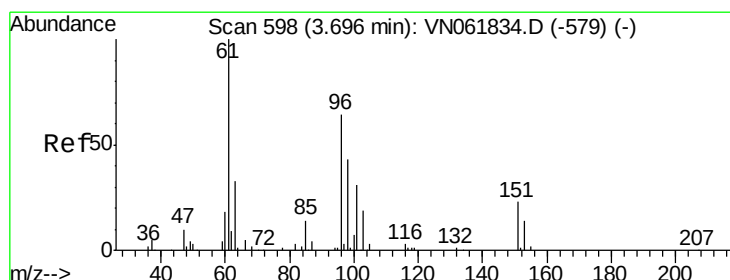
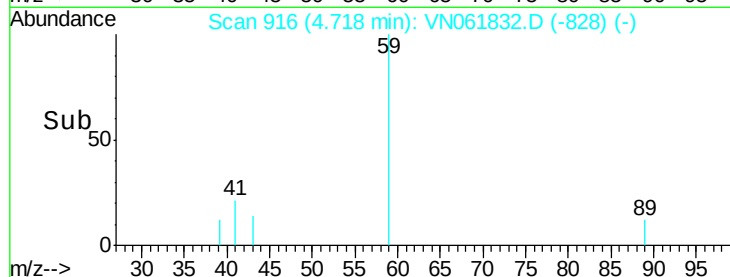
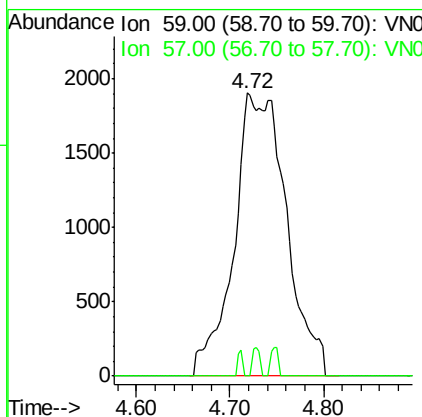
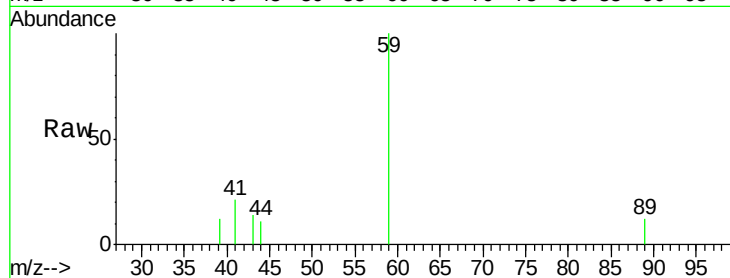
Tert butyl alcohol
 Concen: 31.267 ug/l m
 RT: 4.72 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 7369
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

Manual Integrations
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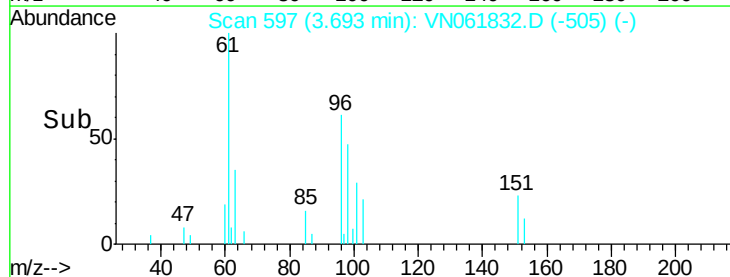
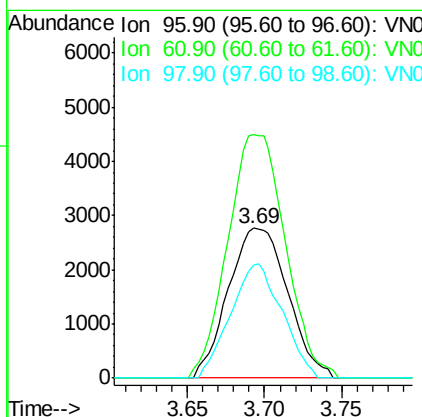
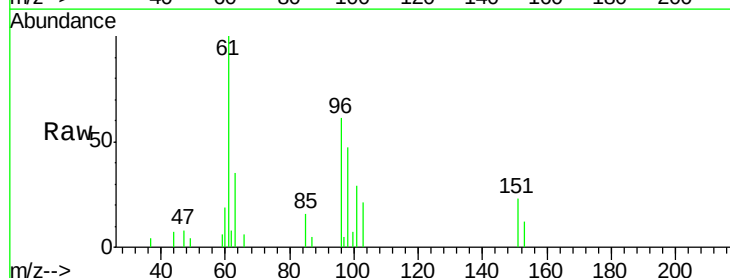
MMDadoda
 6/17/2020 3:44:52 PM

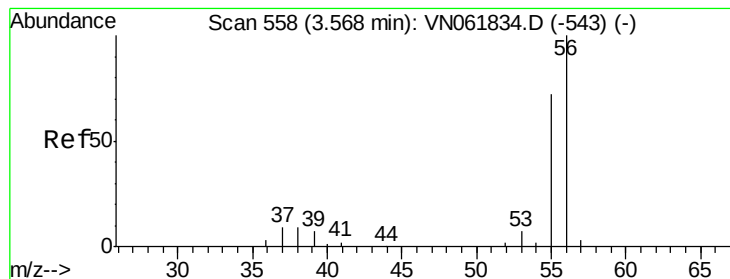


#12

1,1-Dichloroethene
 Concen: 4.965 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion: 96 Resp: 7403
 Ion Ratio Lower Upper
 96 100
 61 162.7 124.3 186.5
 98 75.9 53.1 79.7





#13

Acrolein

Concen: 45.092 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 4720

Ion Ratio Lower Upper

56 100

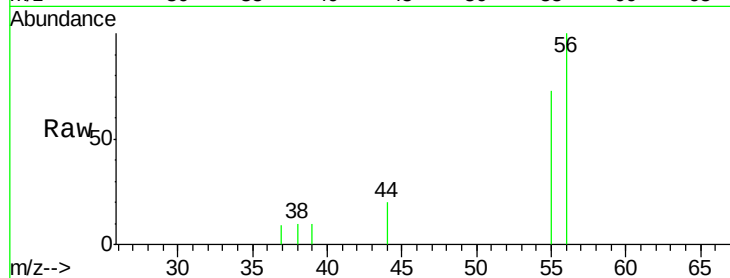
55 73.5 56.2 84.4

Manual Integrations

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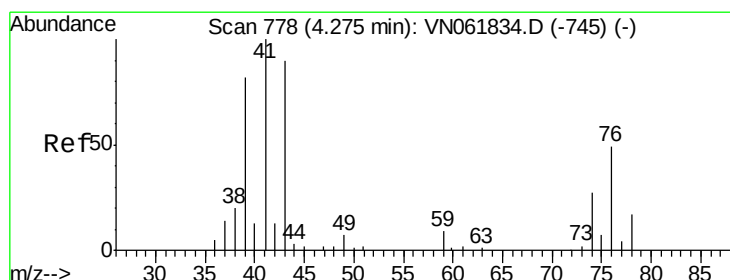
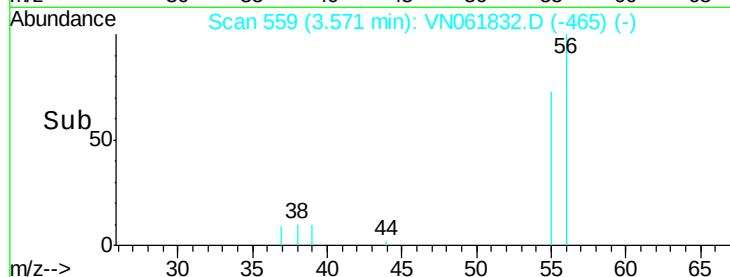
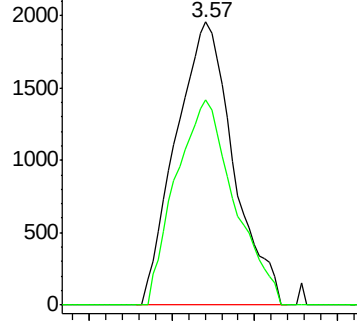
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.121 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

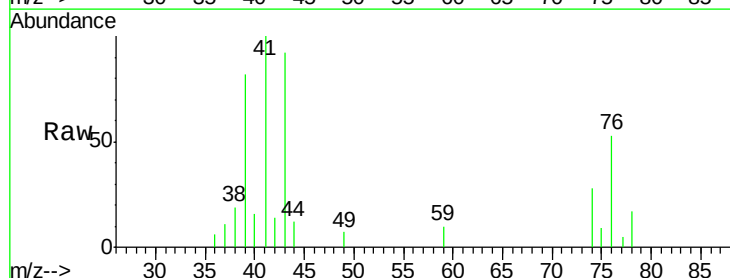
Tgt Ion: 41 Resp: 9980

Ion Ratio Lower Upper

41 100

39 78.5 60.2 90.2

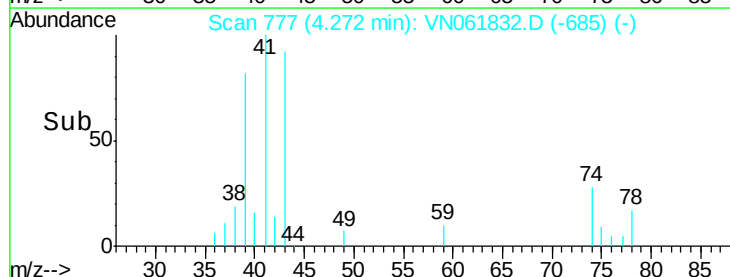
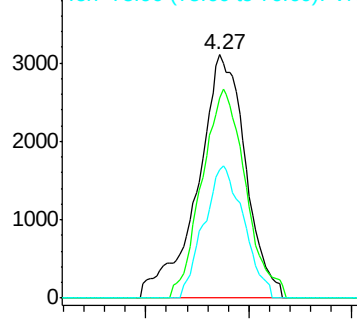
76 45.5 36.3 54.5

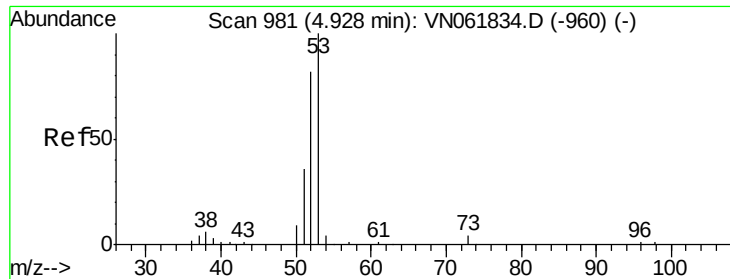


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 26.258 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

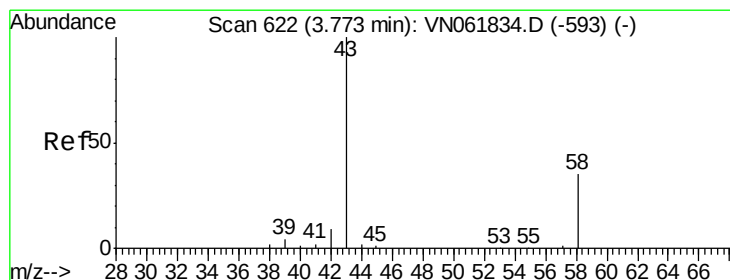
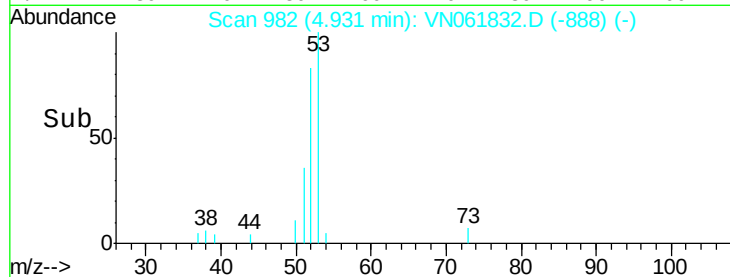
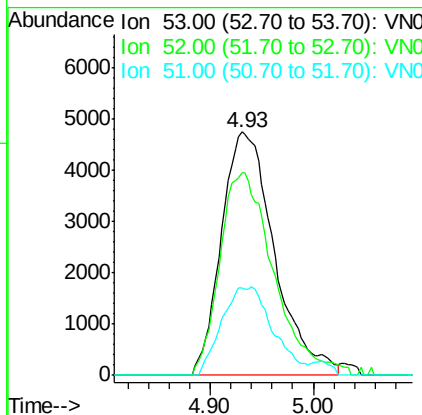
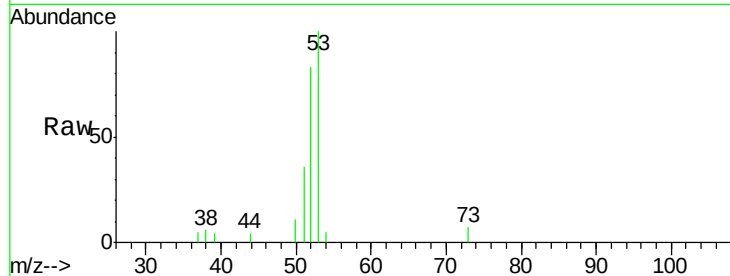
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	16945
Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.2	97.8
51	16.9	29.3	43.9#

Manual Integrations
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#16

Acetone

Concen: 25.427 ug/l

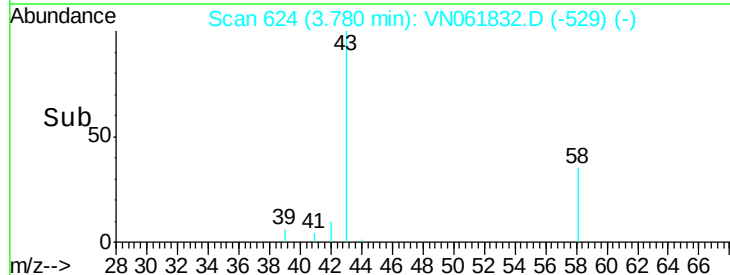
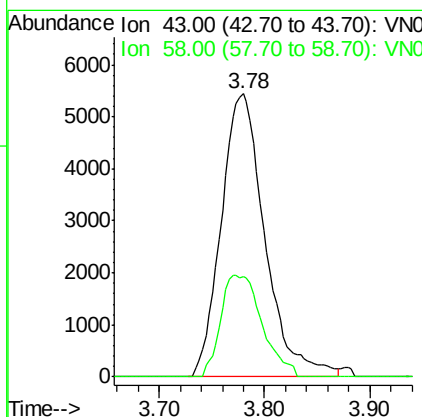
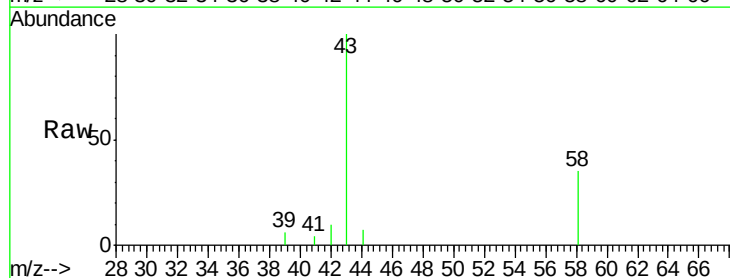
RT: 3.78 min Scan# 624

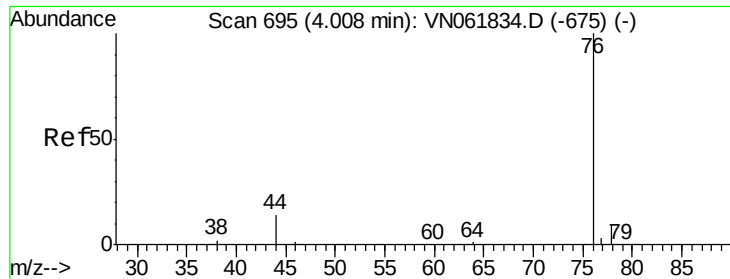
Delta R.T. 0.01 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Tgt Ion:	43	Resp:	15653
Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.8	41.8





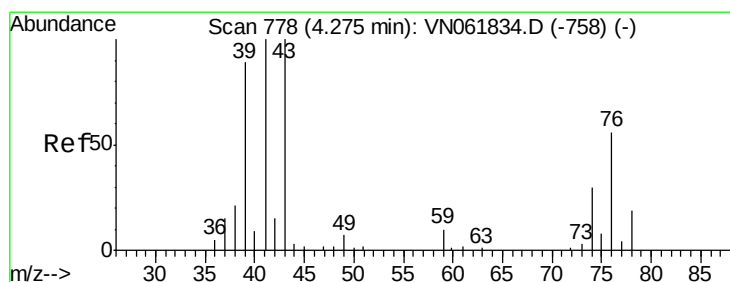
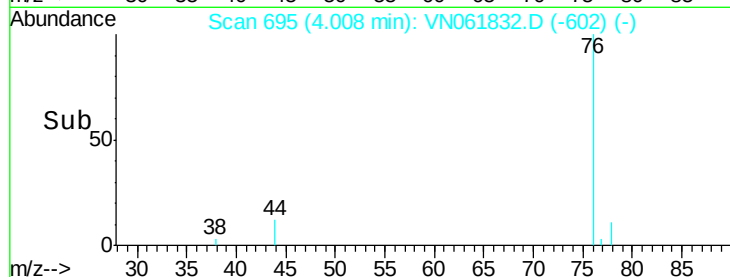
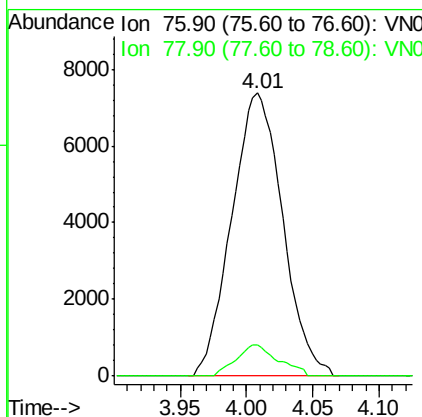
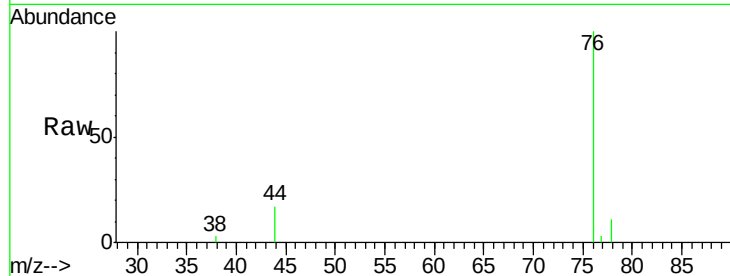
#17
Carbon Disulfide
Concen: 5.694 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.9	7.3	10.9

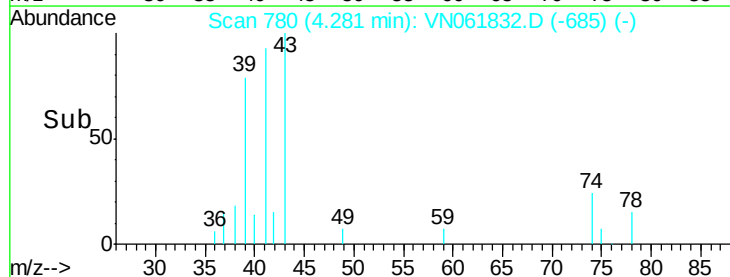
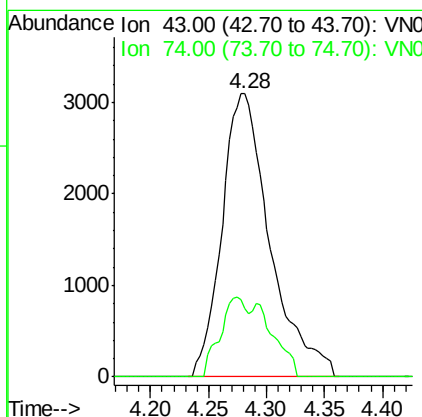
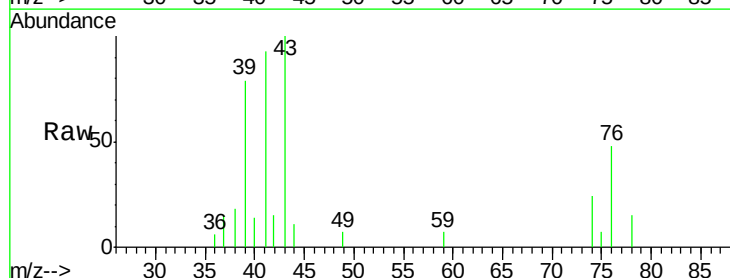
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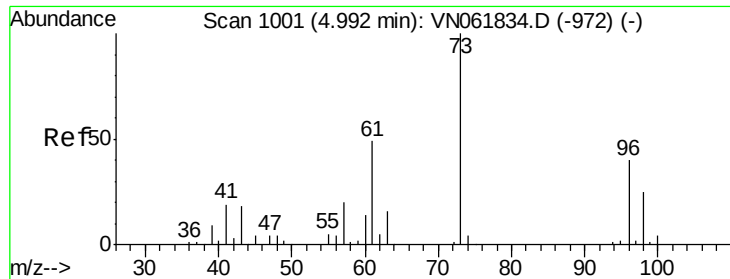
MMDadoda
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#18
Methyl Acetate
Concen: 5.658 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.8	23.0	34.4#





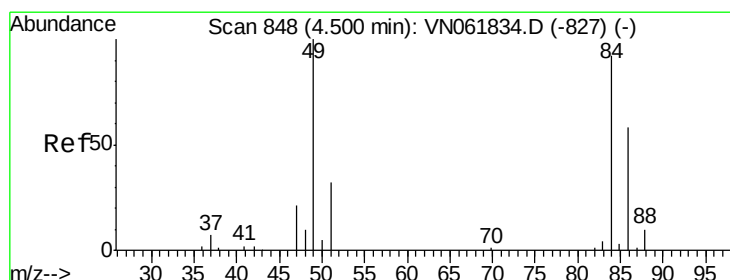
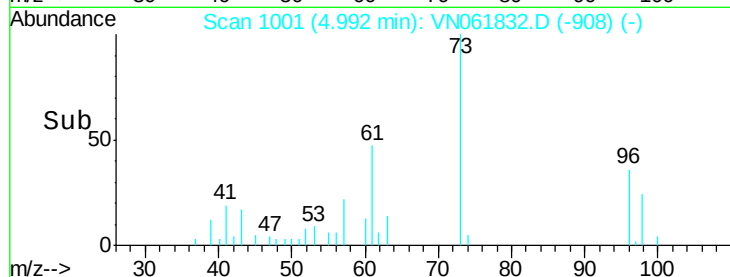
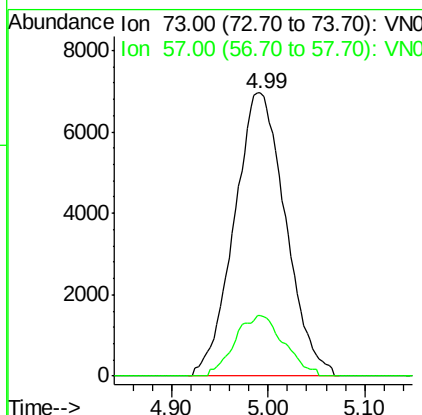
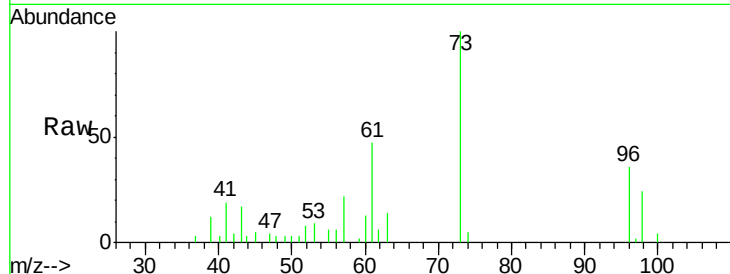
#19
Methyl tert-butyl Ether
Concen: 5.086 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 25660
Ion Ratio Lower Upper
73 100
57 21.5 16.2 24.4

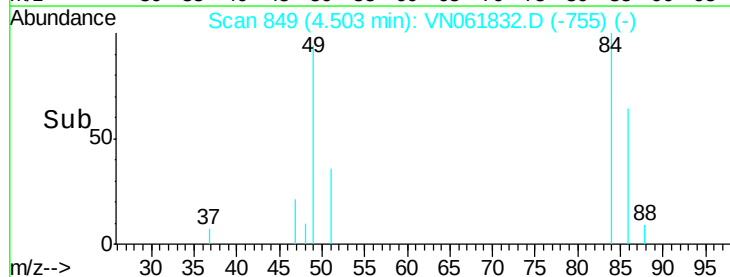
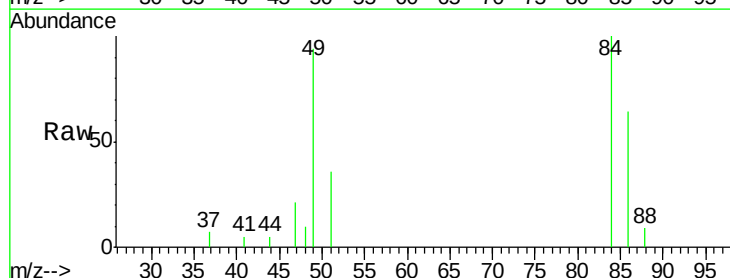
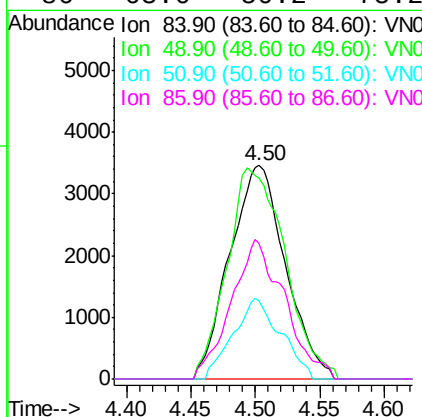
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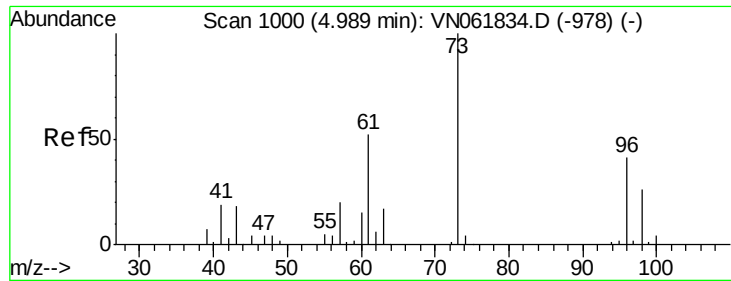
MMDadoda
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#20
Methylene Chloride
Concen: 4.871 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion: 84 Resp: 10402
Ion Ratio Lower Upper
84 100
49 94.0 87.0 130.4
51 36.3 27.8 41.6
86 63.6 50.2 75.2





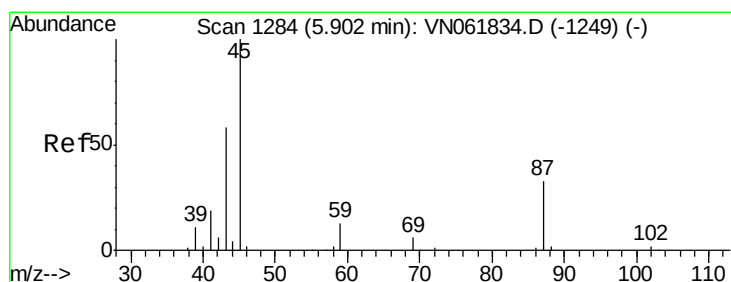
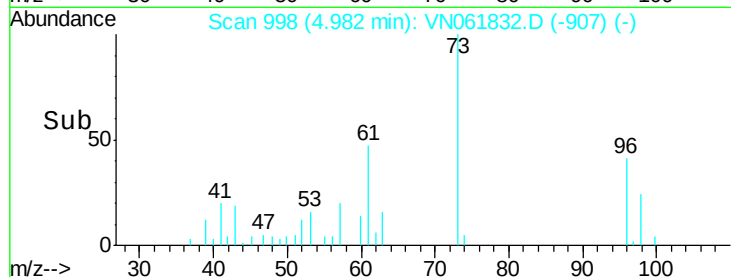
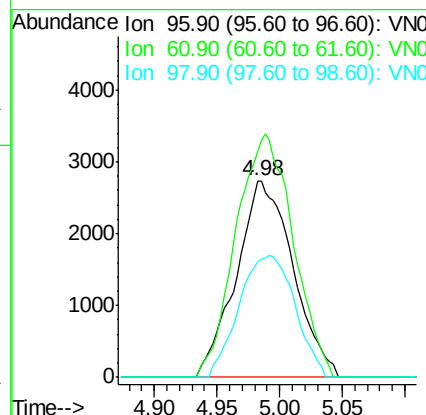
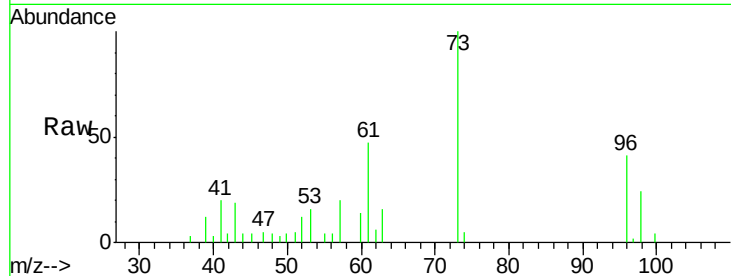
#21
trans-1,2-Dichloroethene
Concen: 5.095 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.8	102.2	153.4
98	58.6	51.2	76.8

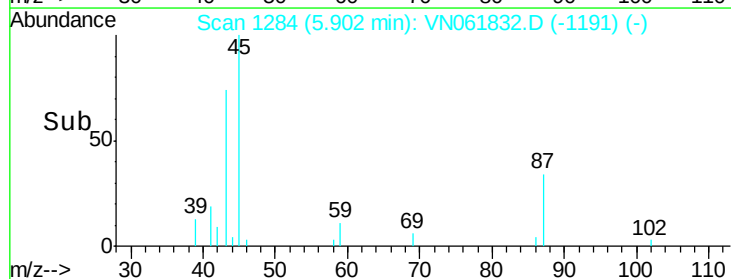
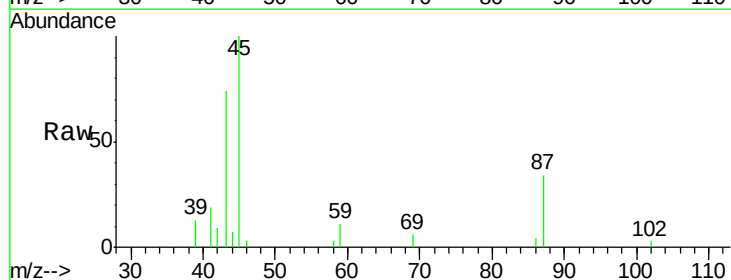
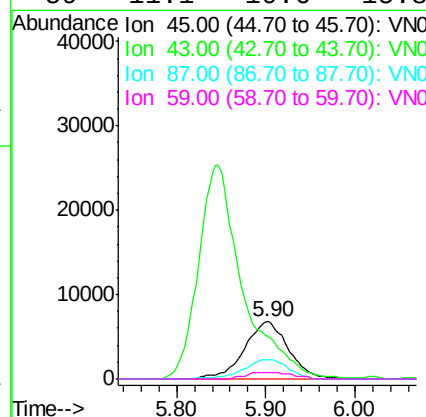
Manual Integrations
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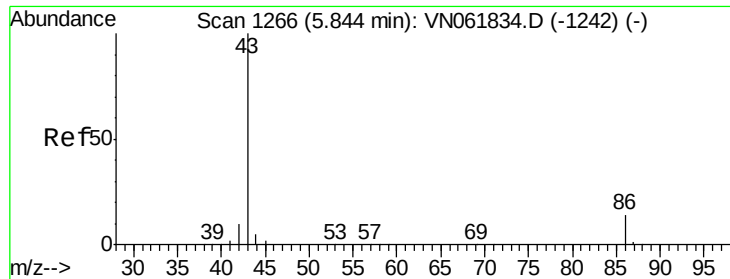
MMDadoda
6/17/2020 3:44:52 PM



#22
Diisopropyl ether
Concen: 5.427 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.2	49.4	74.2
87	34.0	27.4	41.0
59	11.1	10.6	15.8





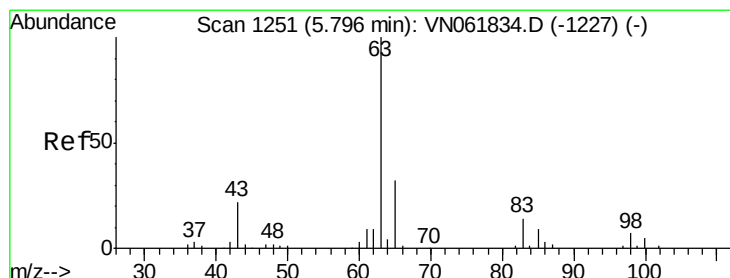
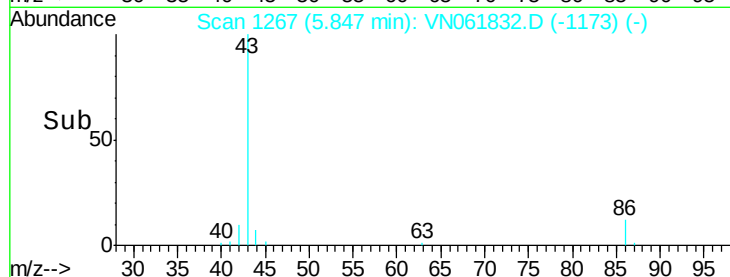
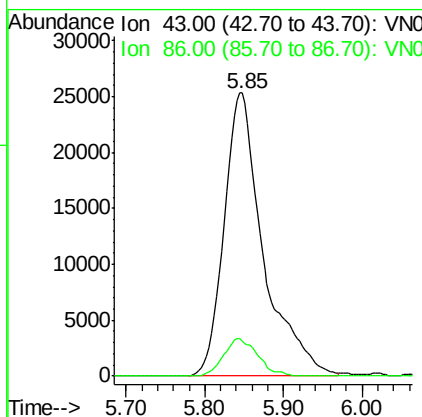
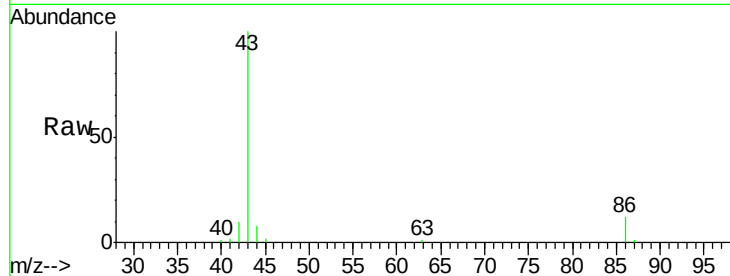
#23
 Vinyl Acetate
 Concen: 25.647 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.3	10.9	16.3

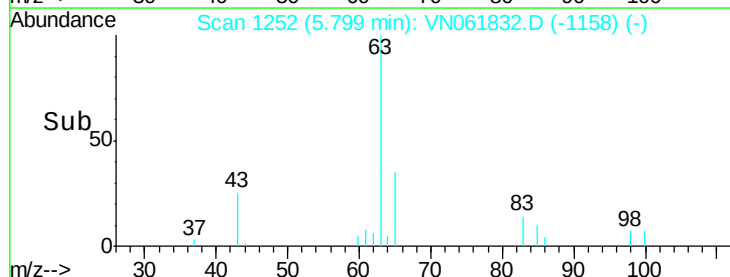
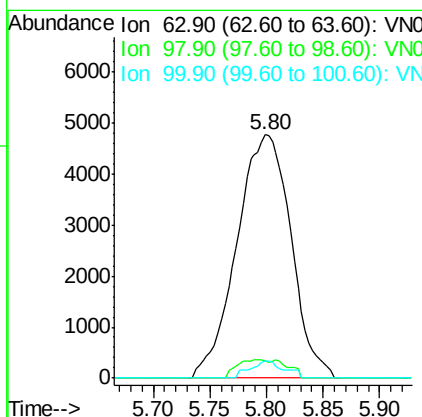
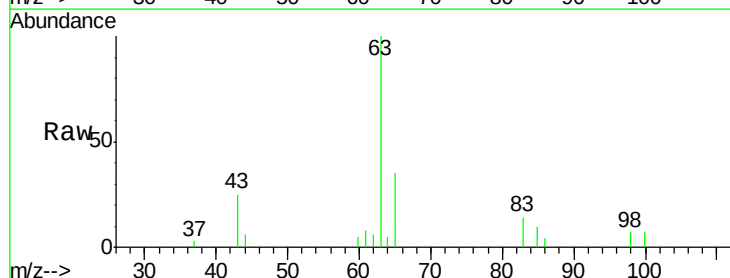
Manual Integrations
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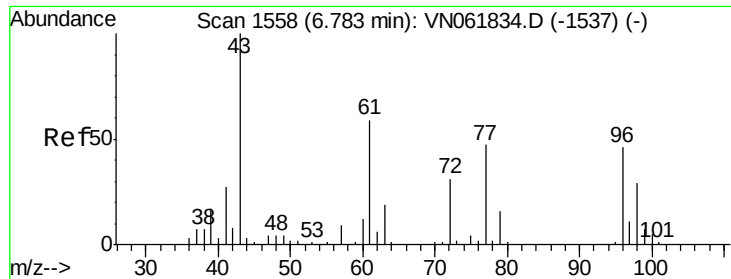
MMDadoda
 6/17/2020 3:44:52 PM



#24
 1,1-Dichloroethane
 Concen: 5.804 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.4
100	7.1	2.5	7.4





#25

2-Butanone

Concen: 25.463 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 20940

Ion Ratio Lower Upper

43 100

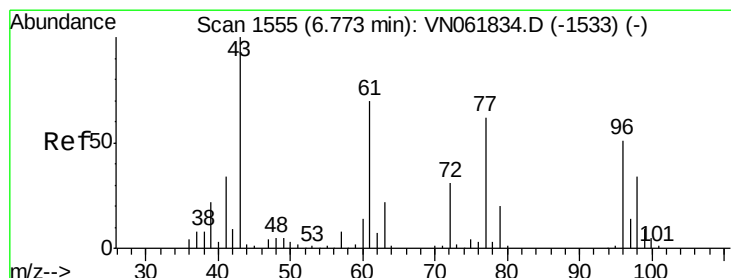
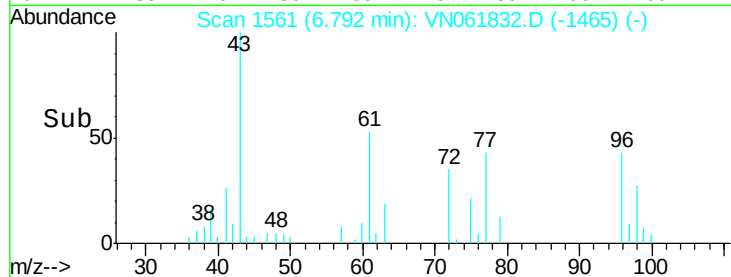
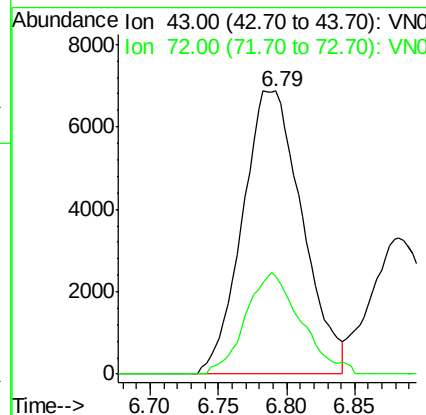
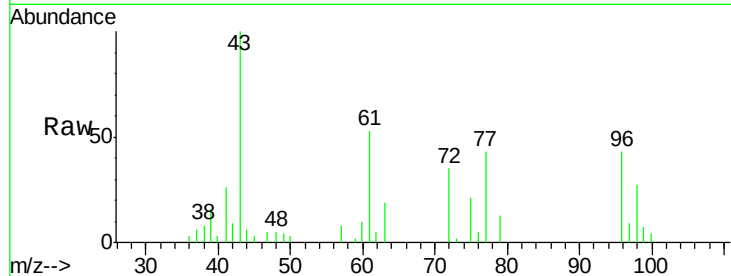
72 34.6 24.6 37.0

Manual Integrations

APPROVED

MMDadoda

6/17/2020 3:44:52 PM



#26

2,2-Dichloropropane

Concen: 5.226 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061832.D

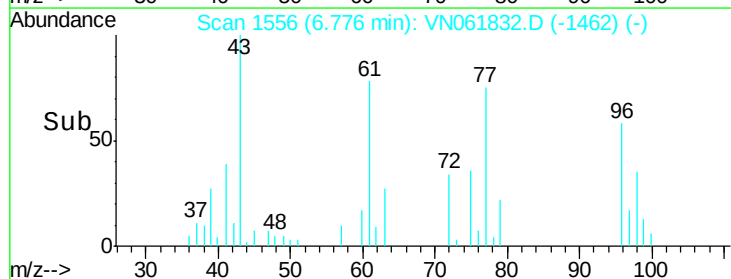
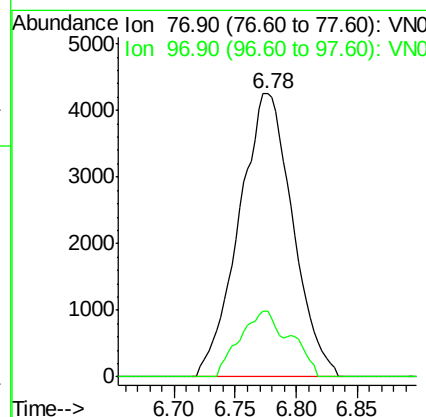
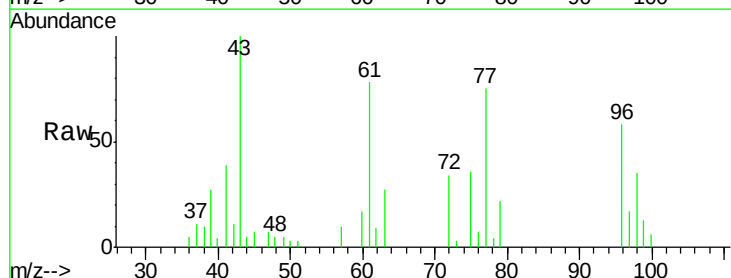
Acq: 16 Jun 2020 17:50

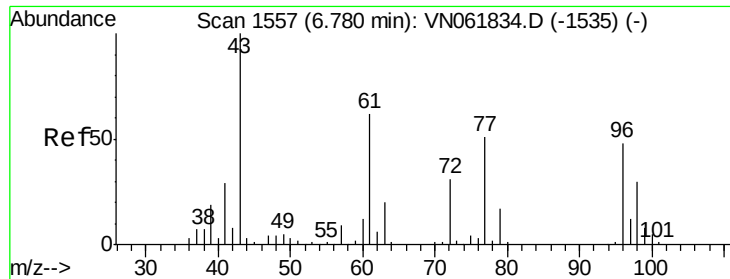
Tgt Ion: 77 Resp: 12954

Ion Ratio Lower Upper

77 100

97 16.6 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 5.339 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

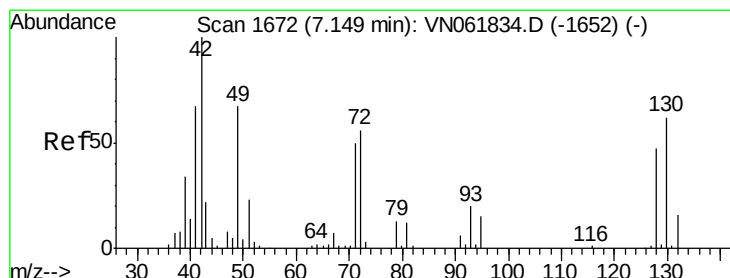
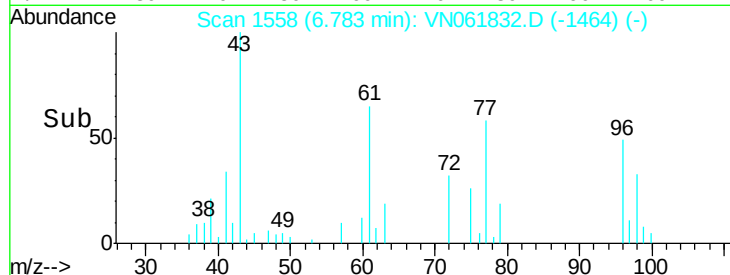
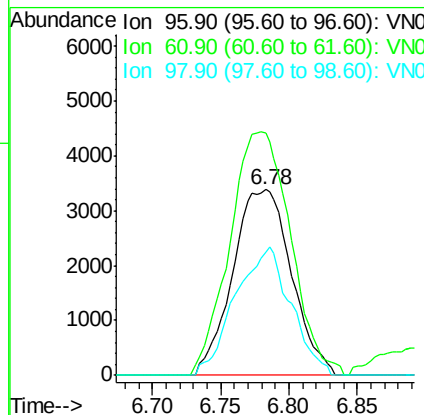
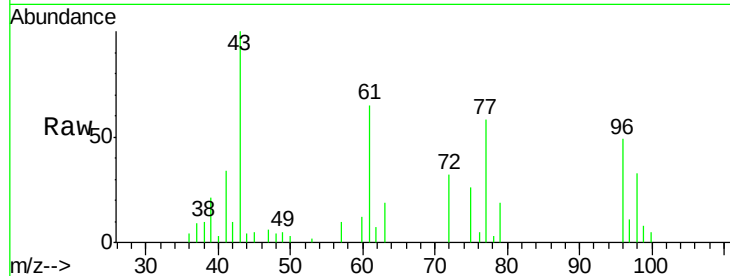
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	10129
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	265.6
98	65.2	0.0	128.2

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#28

Bromochloromethane

Concen: 5.588 ug/l

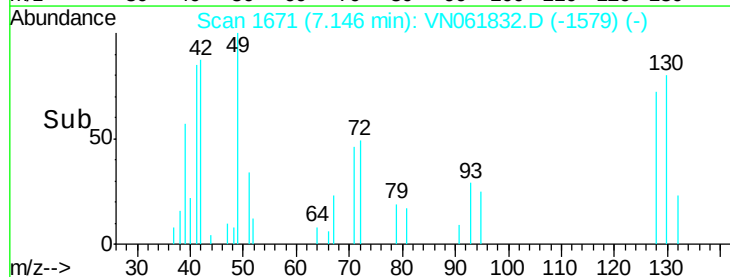
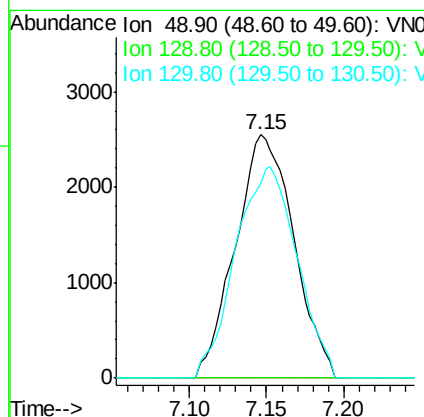
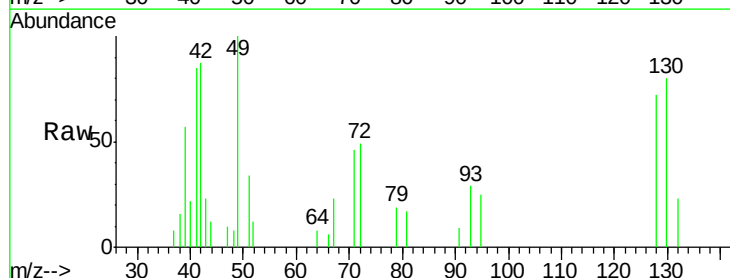
RT: 7.15 min Scan# 1671

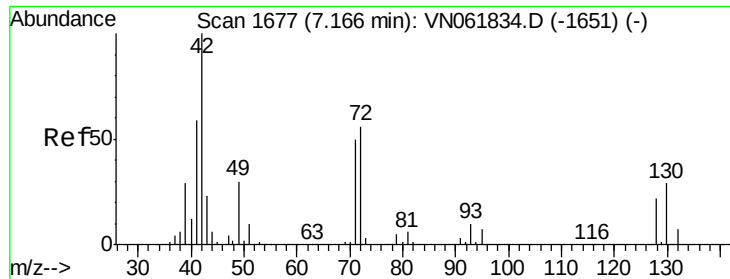
Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Tgt Ion:	49	Resp:	6676
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	91.4	72.2	108.2





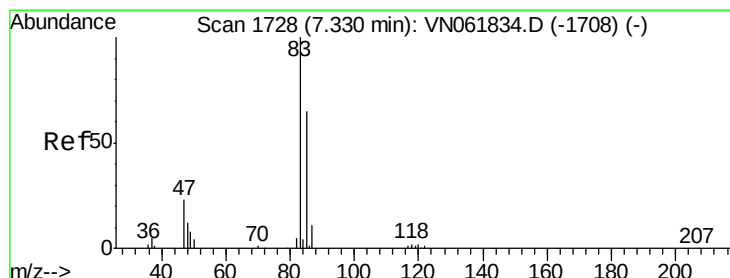
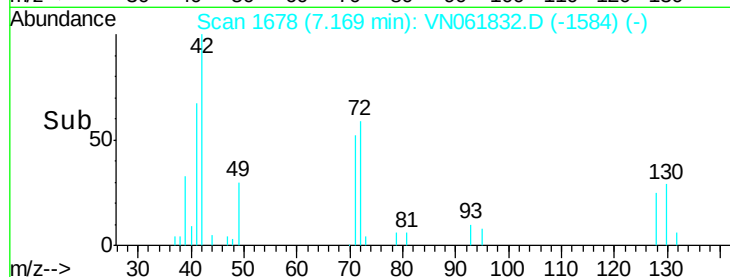
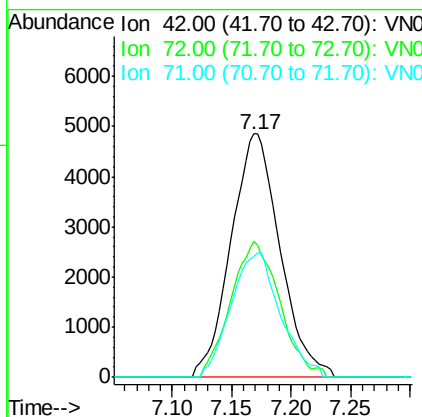
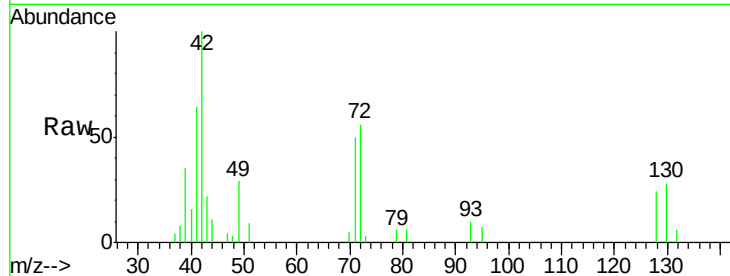
#29
Tetrahydrofuran
Concen: 25.603 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.4	44.0	66.0
71	51.5	40.0	60.0

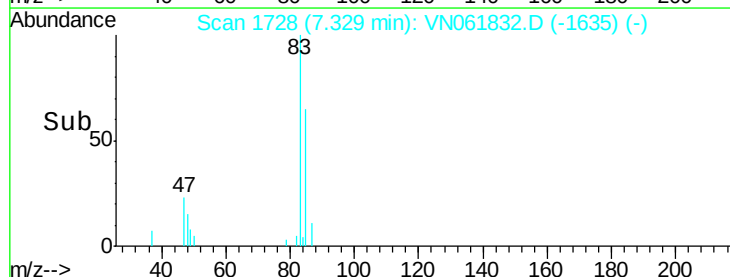
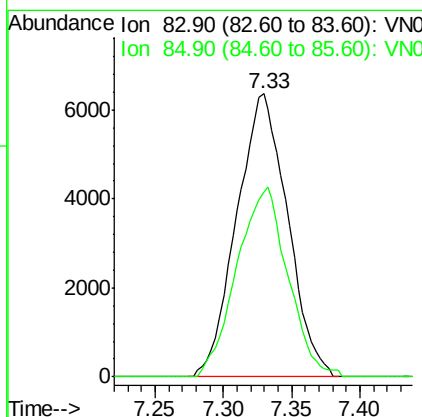
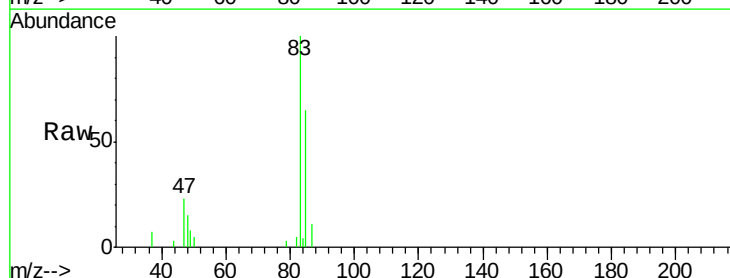
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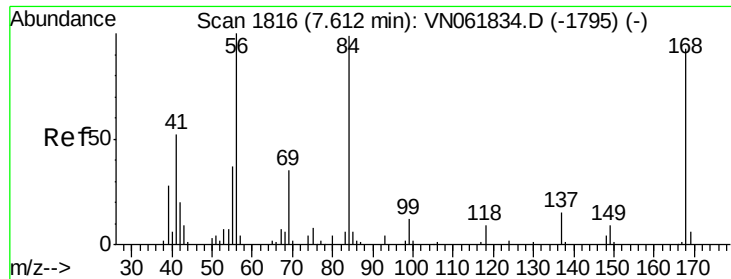
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#30
Chloroform
Concen: 5.482 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.0	78.0





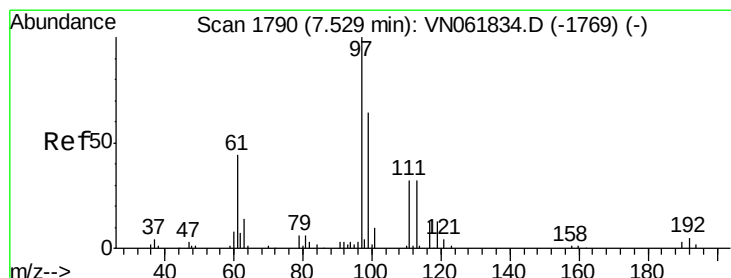
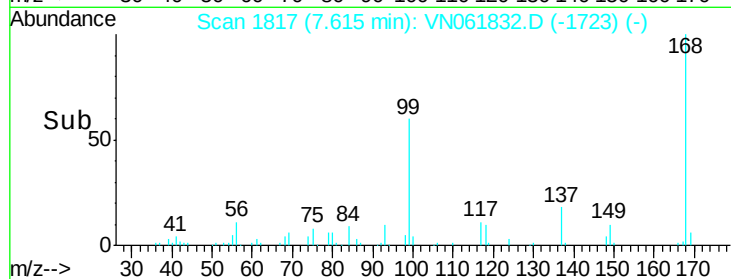
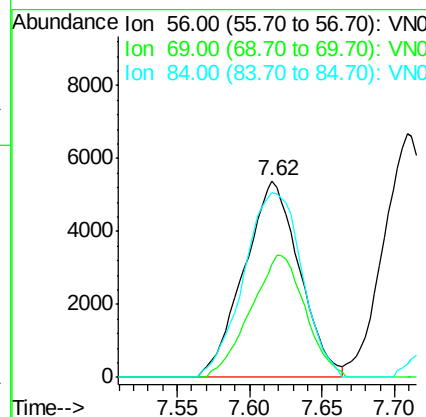
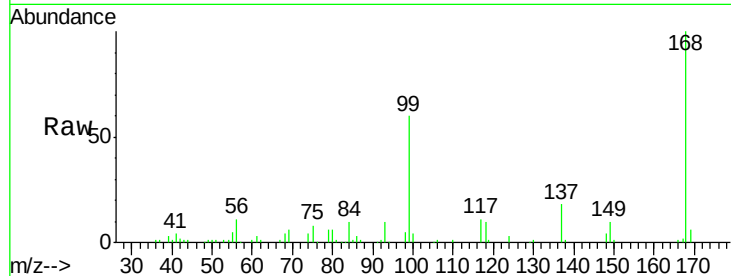
#31
Cyclohexane
Concen: 5.857 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	57.9	27.7	41.5#
84	93.9	79.1	118.7

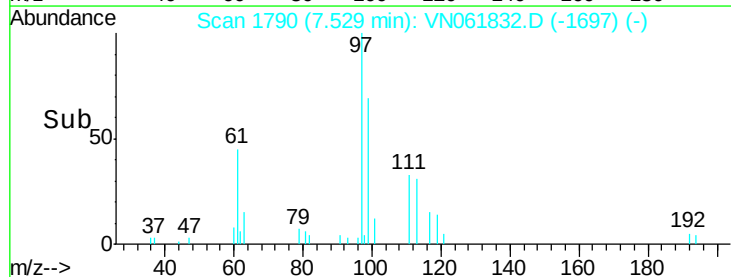
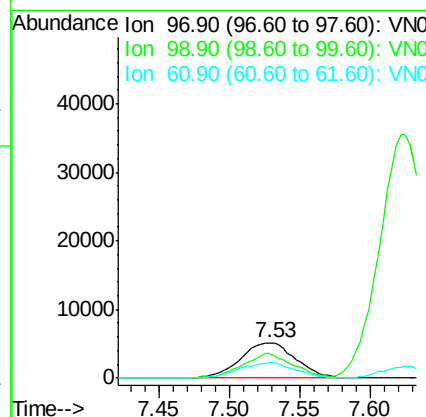
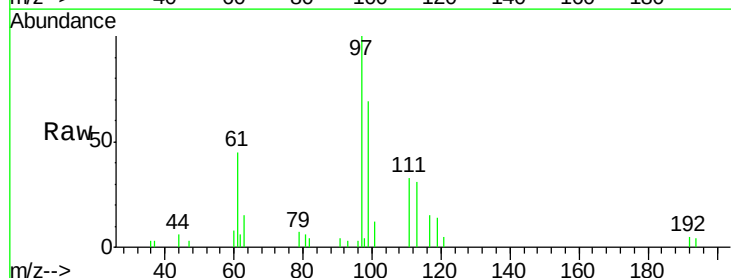
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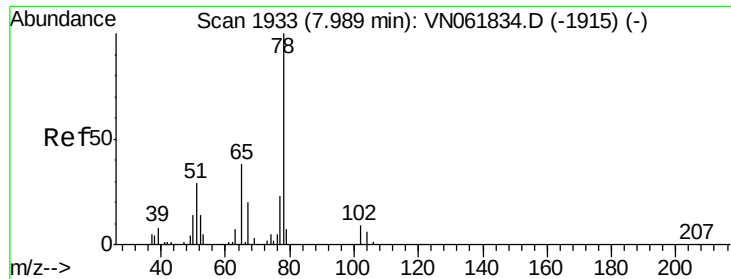
MMDadoda
6/17/2020 3:44:52 PM



#32
1,1,1-Trichloroethane
Concen: 5.143 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	43.8	35.1	52.7





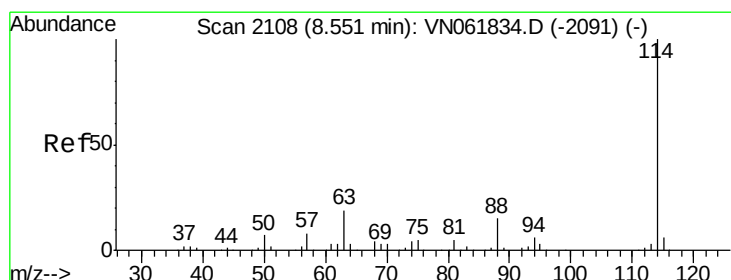
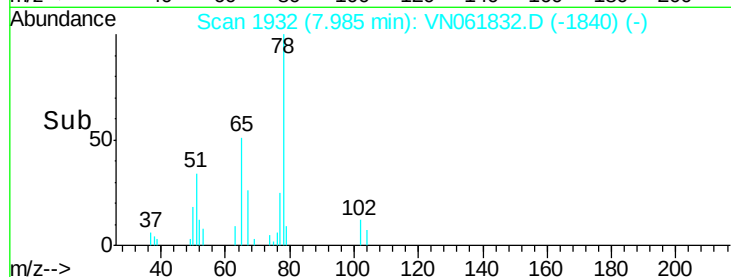
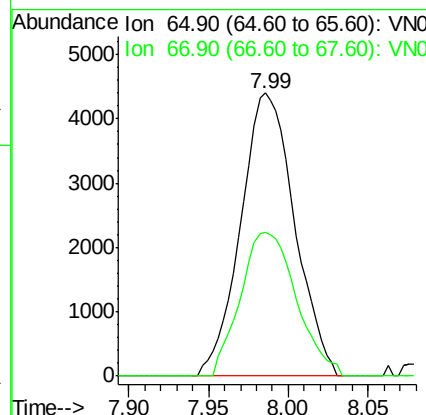
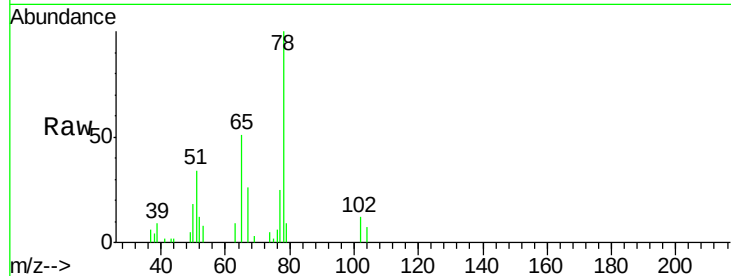
#33
 1,2-Dichloroethane-d4
 Concen: 5.841 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

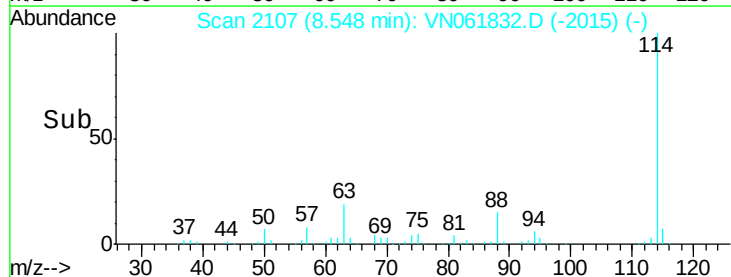
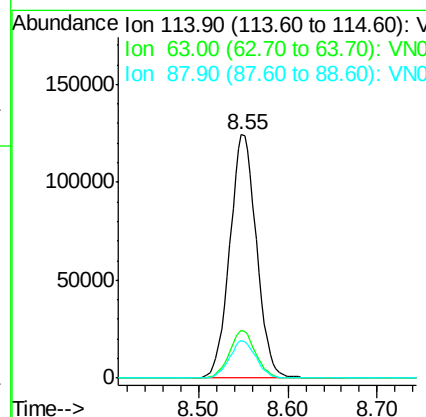
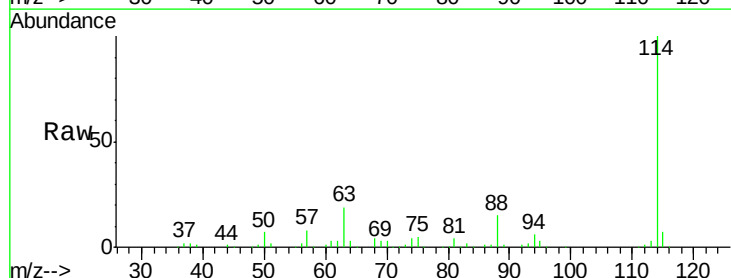
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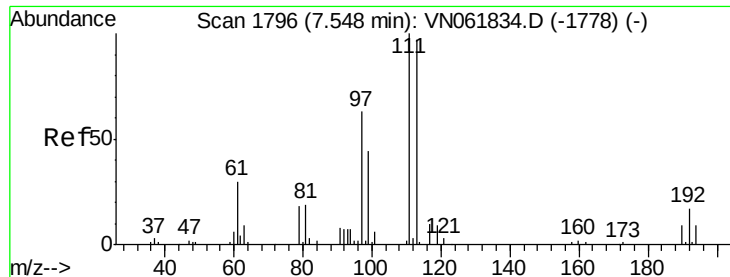
MMDadoda
 6/17/2020 3:44:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	37.6
88	15.4	0.0	31.0





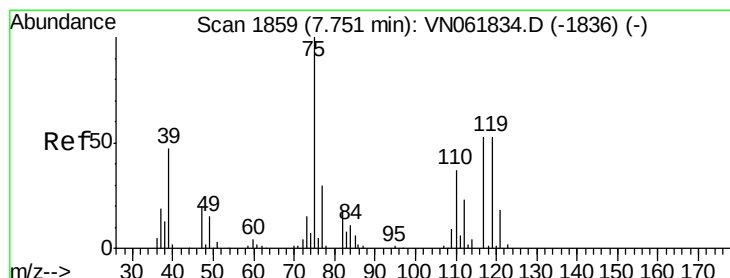
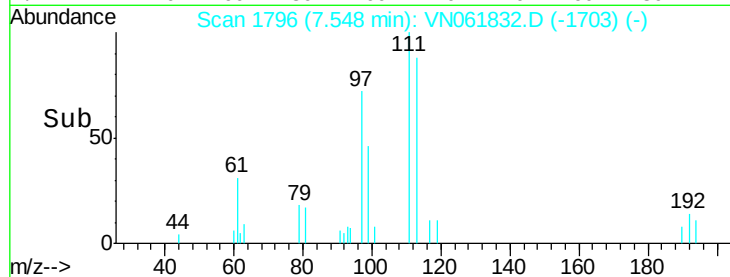
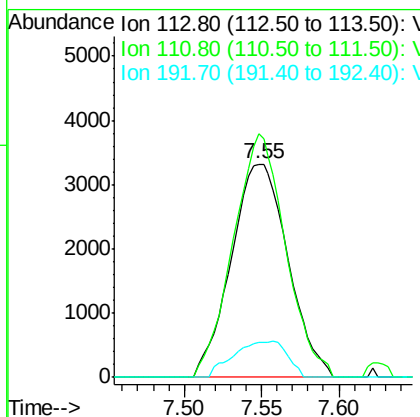
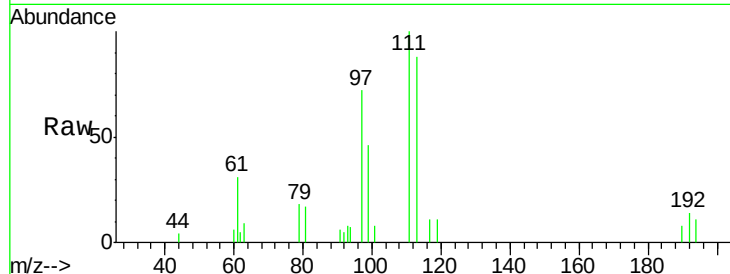
#35
 Dibromofluoromethane
 Concen: 6.228 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	83.7	125.5
192	15.8	13.9	20.9

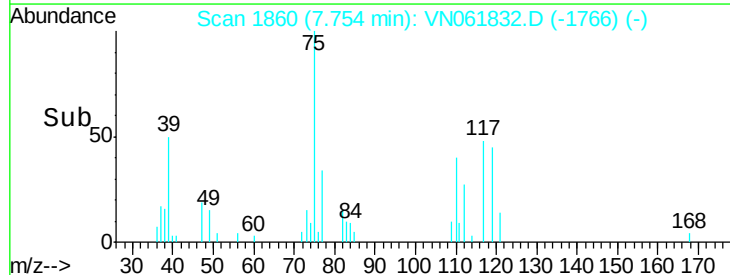
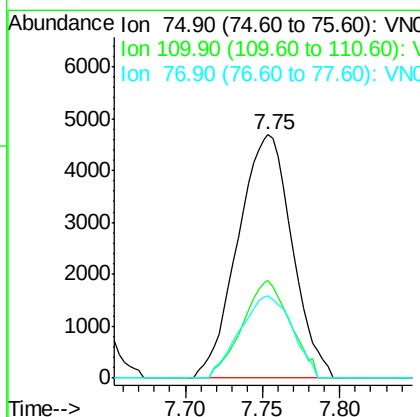
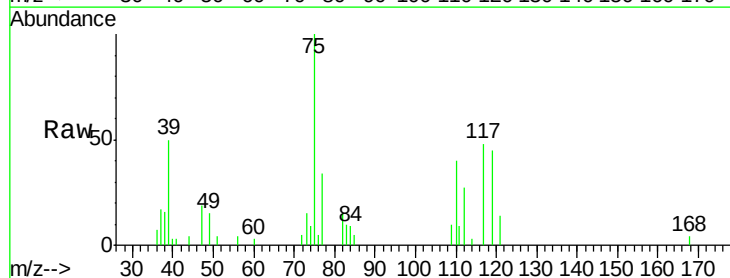
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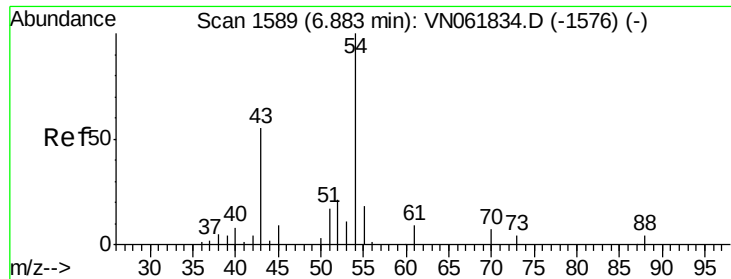
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 6/17/2020 3:44:52 PM



#36
 1,1-Dichloropropene
 Concen: 4.934 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.2	54.6
77	32.6	24.2	36.4





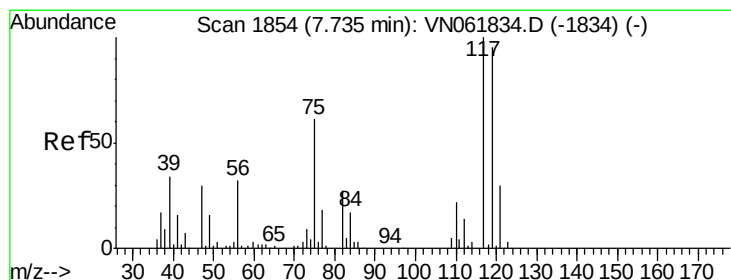
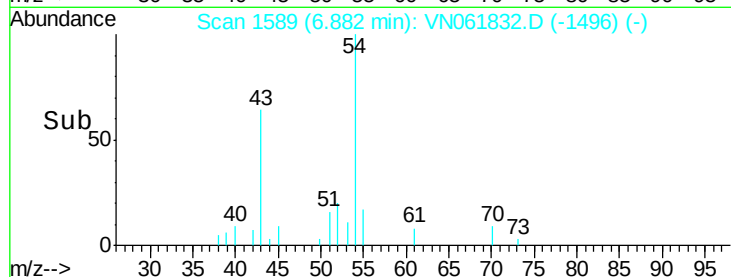
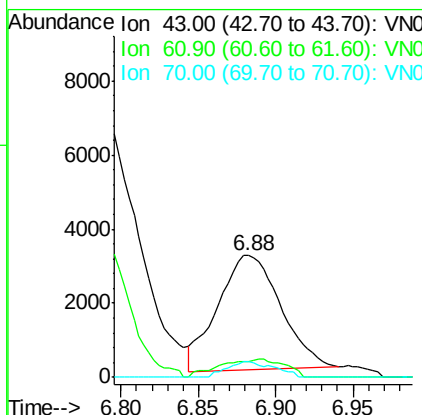
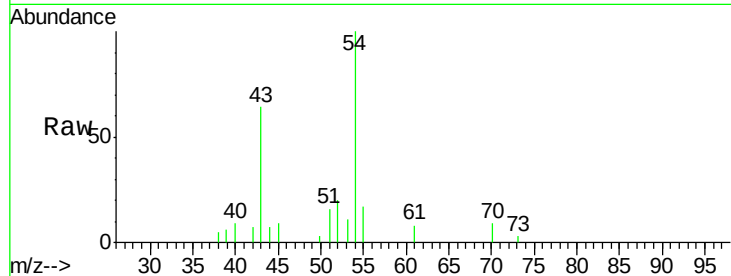
#37
Ethyl Acetate
Concen: 4.791 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	43	61	70
Resp:	8808		
Ratio	100	16.5	10.3
Lower		13.0	9.4
Upper		19.4	14.2

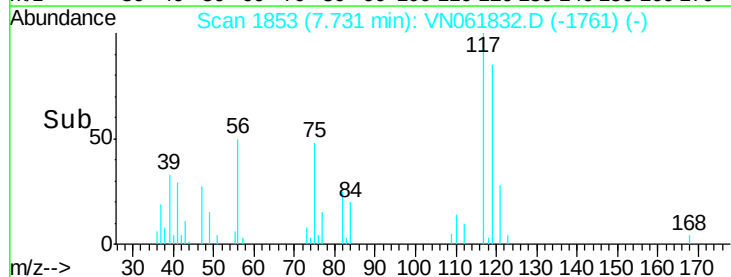
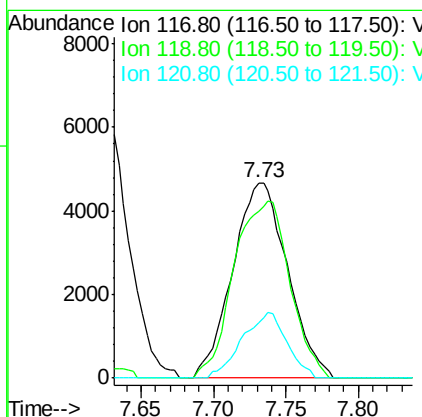
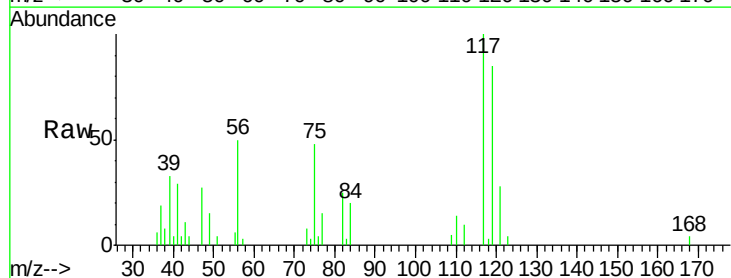
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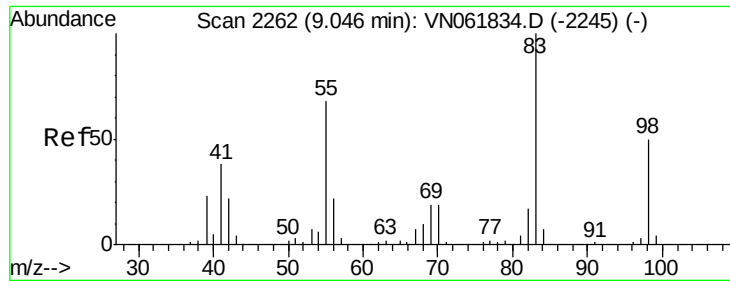
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.538 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	117	119	121
Resp:	12301		
Ratio	100	85.4	28.1
Lower		75.8	23.8
Upper		113.6	35.6





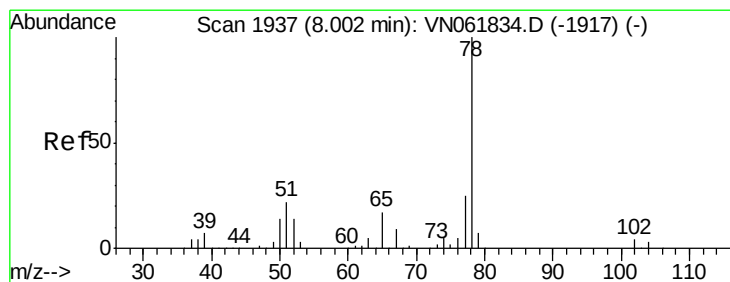
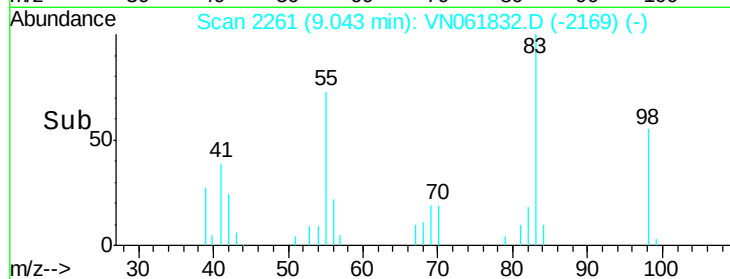
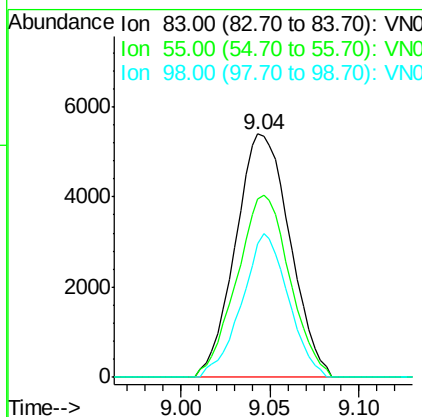
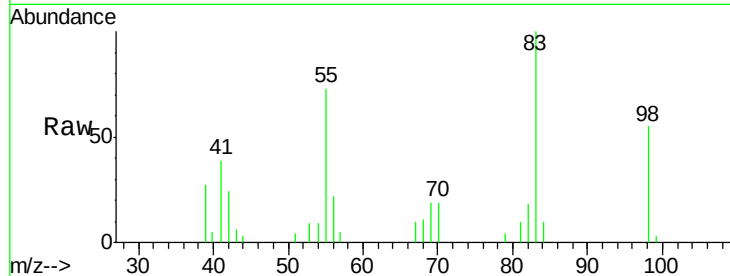
#39
Methylvlcyclohexane
Concen: 4.093 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	11442
Ion Ratio	Lower	Upper	
83	100		
55	73.2	54.2	81.4
98	55.0	39.8	59.6

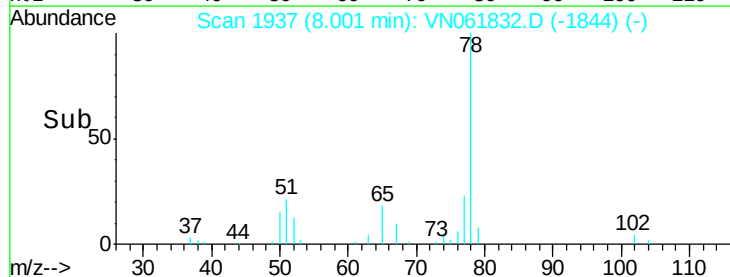
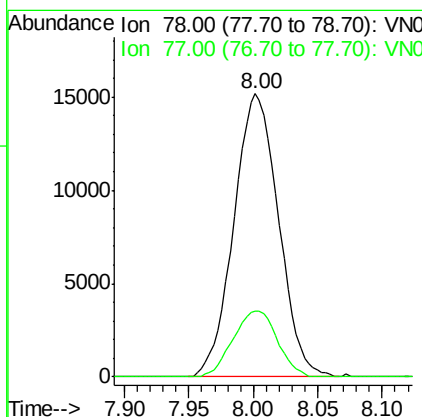
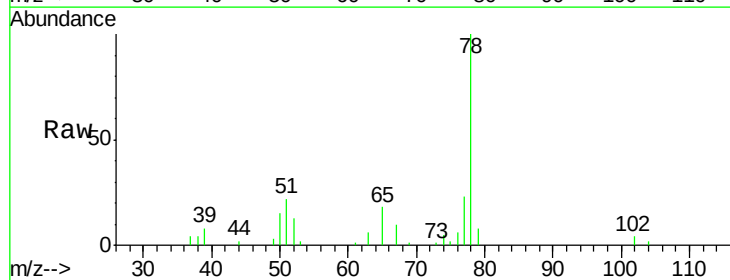
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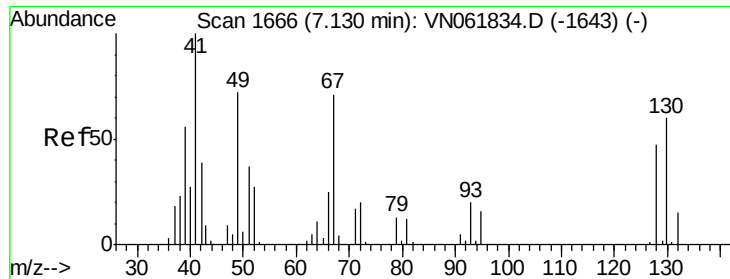
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#40
Benzene
Concen: 5.154 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	78	Resp	36580
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.7	29.5





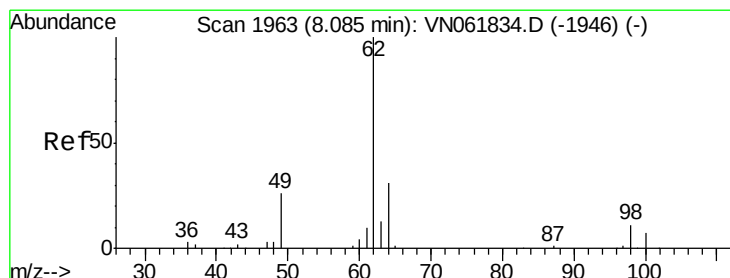
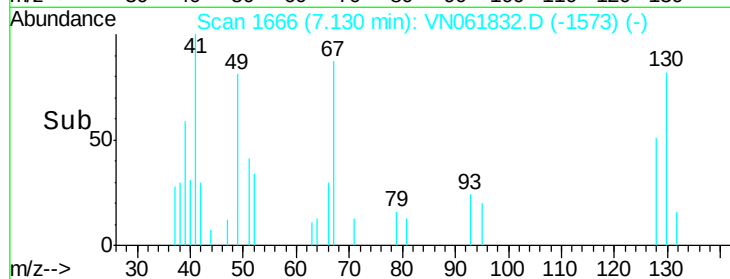
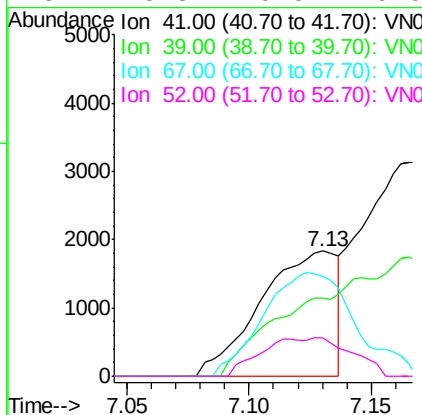
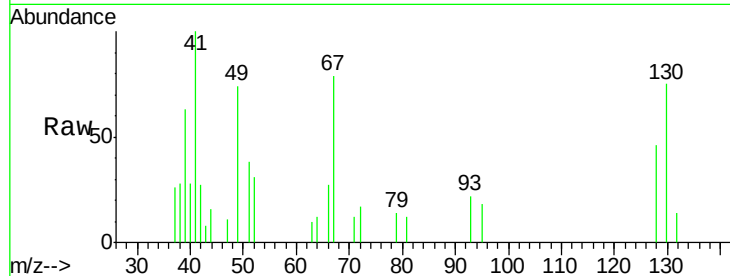
#41
Methacrylonitrile
Concen: 4.755 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	98.9	0.0	0.0
52	16.8	0.0	0.0

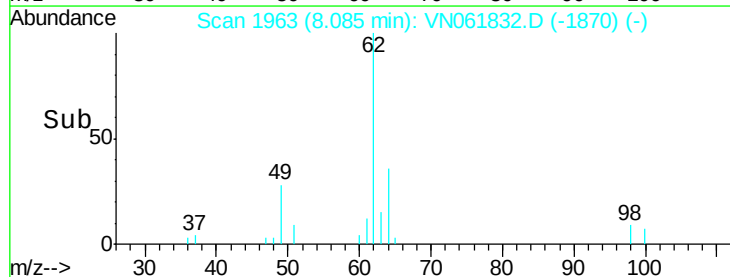
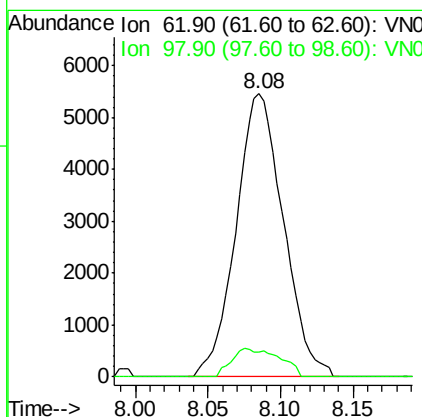
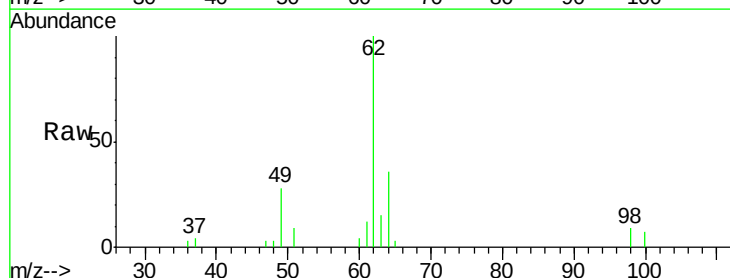
Manual Integrations
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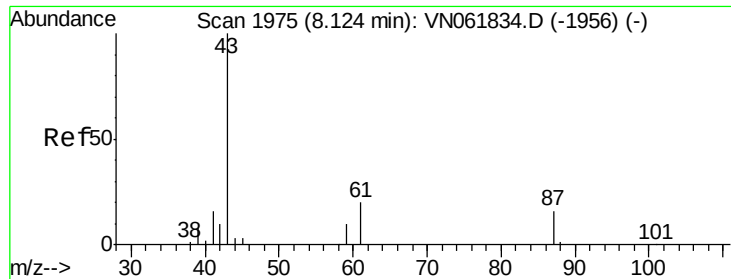
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.199 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

Isopropyl Acetate

Concen: 4.675 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

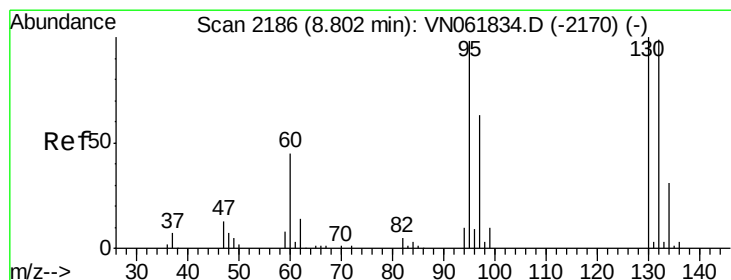
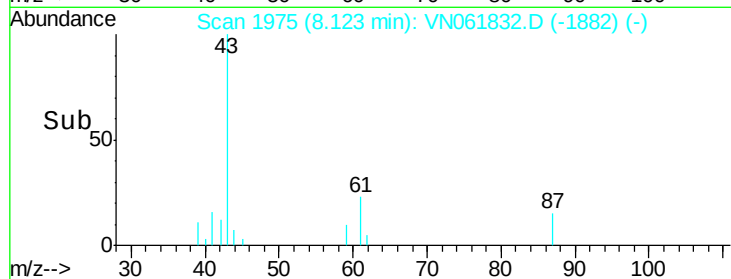
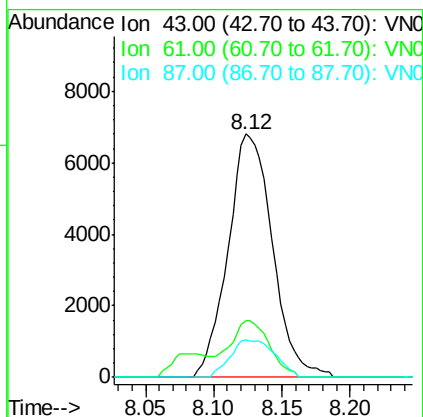
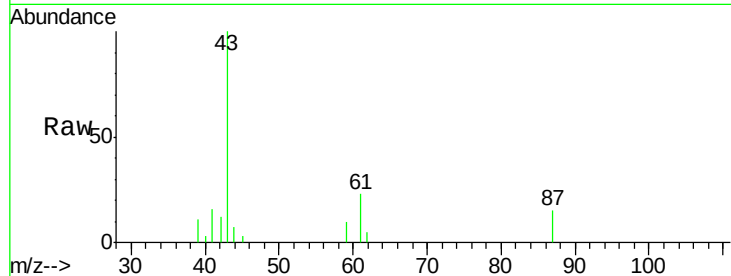
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	15418
Ion	Ratio	Lower	Upper
43	100		
61	20.6	24.0	36.0#
87	15.3	12.5	18.7

Manual Integrations
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6/17/2020 3:44:52 PM



#44

Trichloroethene

Concen: 4.545 ug/l

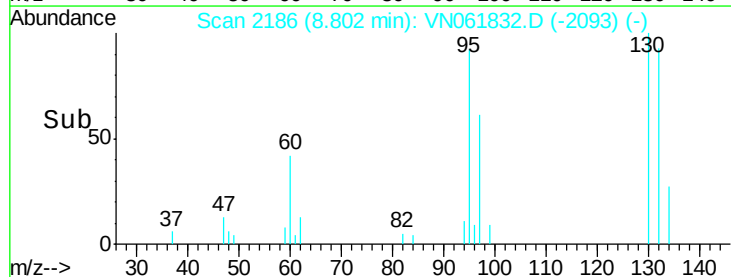
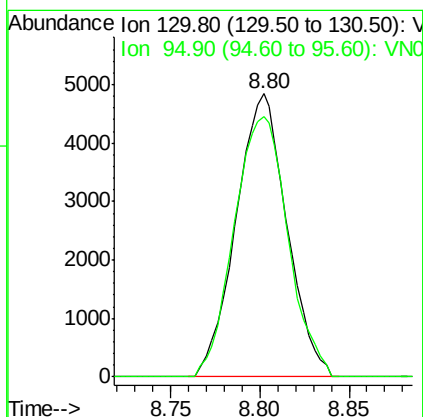
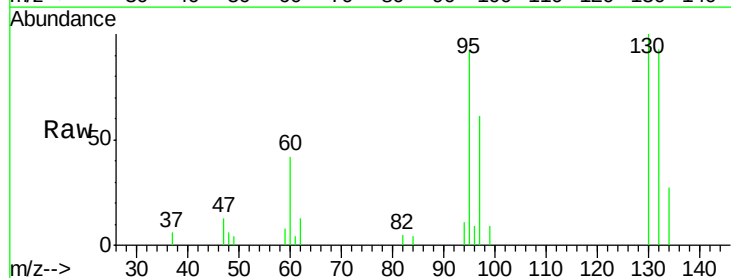
RT: 8.80 min Scan# 2186

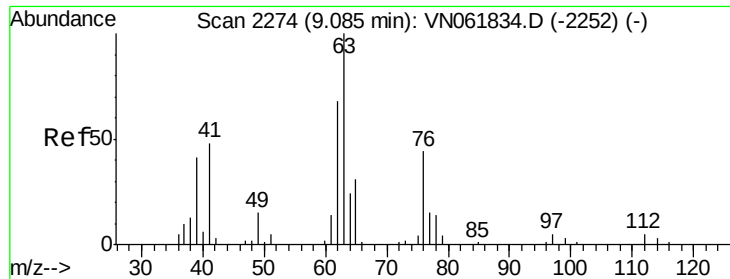
Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Tgt Ion:	130	Resp:	9611
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	195.6





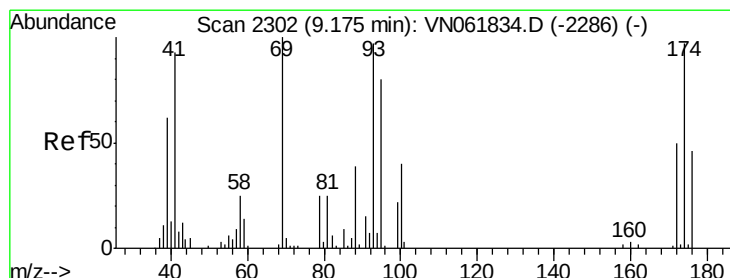
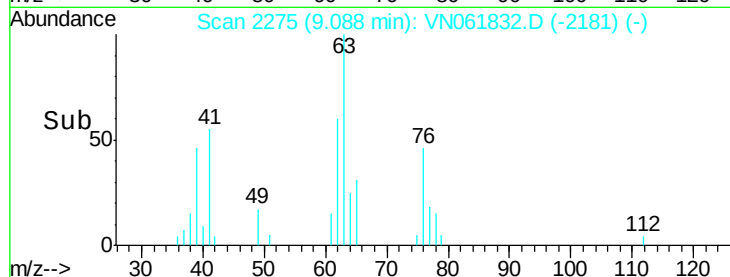
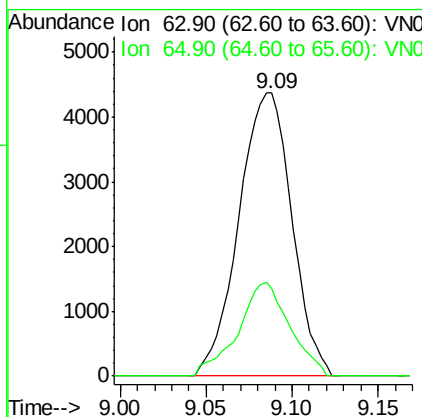
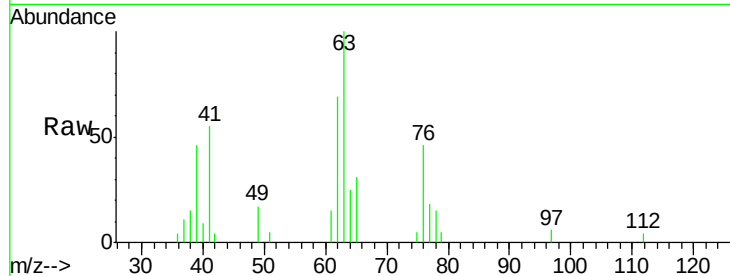
#45
 1,2-Dichloropropane
 Concen: 5.509 ug/l
 RT: 9.09 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tot Ion: 63 Resp: 9344
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7

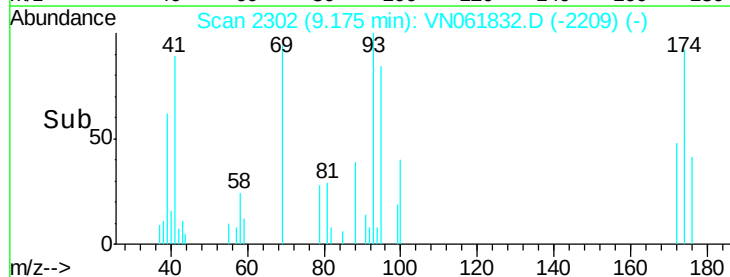
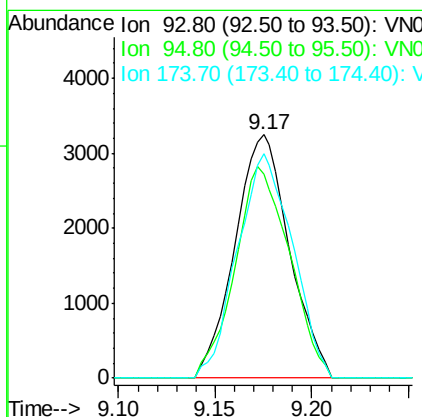
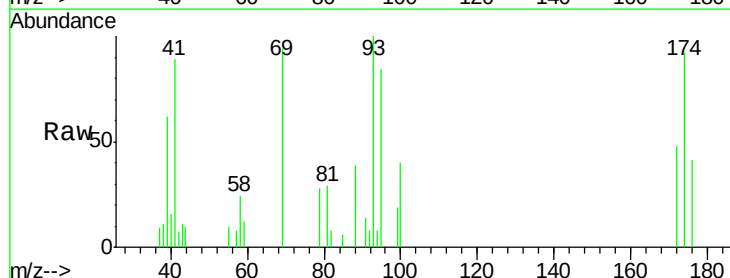
Manual Integrations
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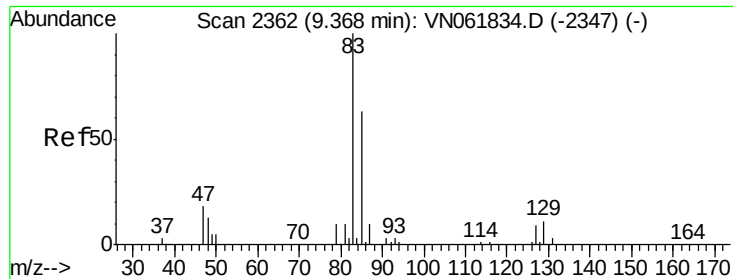
MMDadoda
 6/17/2020 3:44:52 PM



#46
 Dibromomethane
 Concen: 4.948 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion: 93 Resp: 6358
 Ion Ratio Lower Upper
 93 100
 95 86.7 65.8 98.6
 174 93.1 78.5 117.7





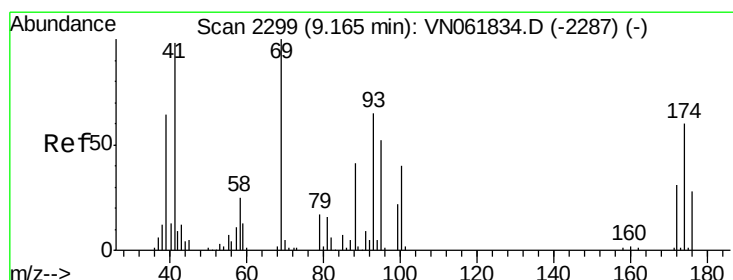
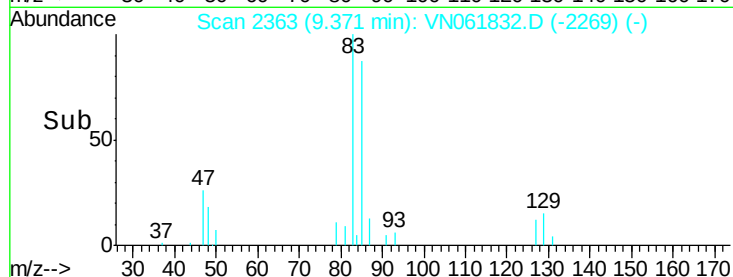
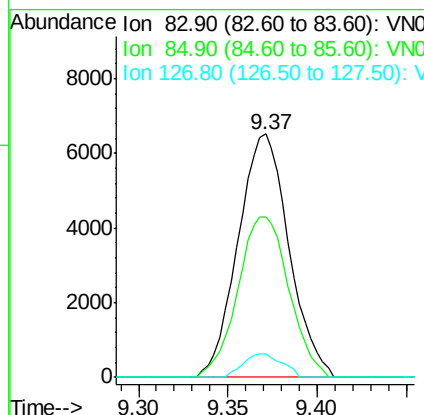
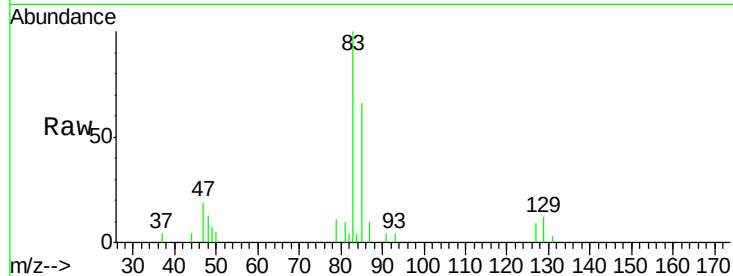
#47
Bromodichloromethane
Concen: 5.084 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	12944
Ion Ratio	100	Lower	Upper
83	100		
85	66.1	50.8	76.2
127	9.4	7.0	10.4

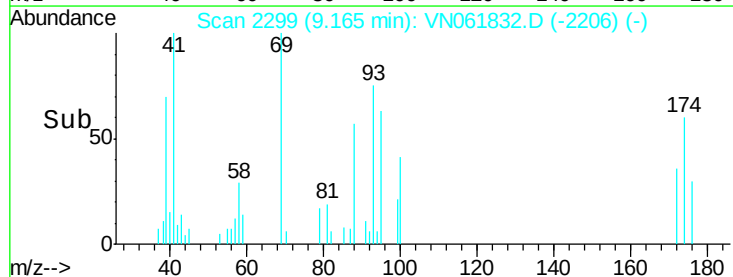
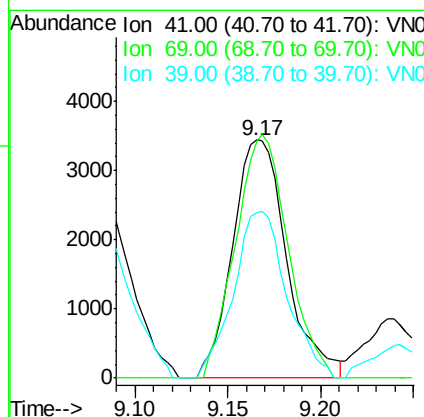
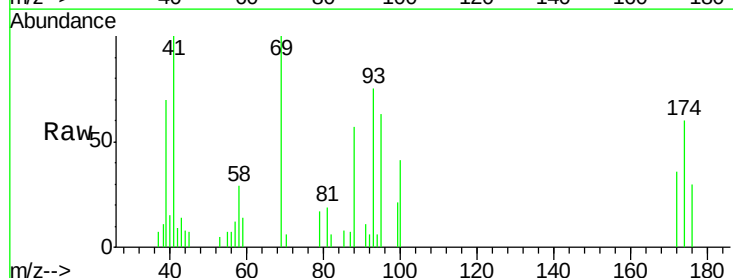
Manual Integrations
APPROVED

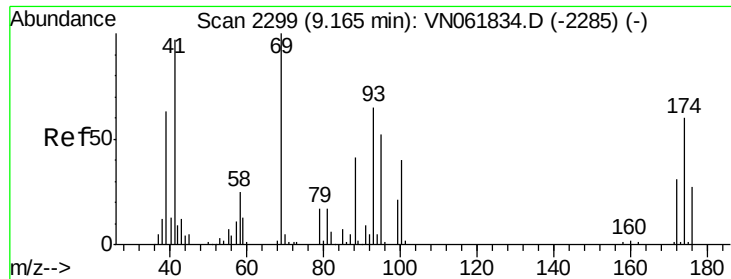
MMDadoda
6/17/2020 3:44:52 PM



#48
Methyl methacrylate
Concen: 4.681 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	41	Resp	6971
Ion Ratio	100	Lower	Upper
41	100		
69	99.3	83.0	124.4
39	69.2	55.1	82.7





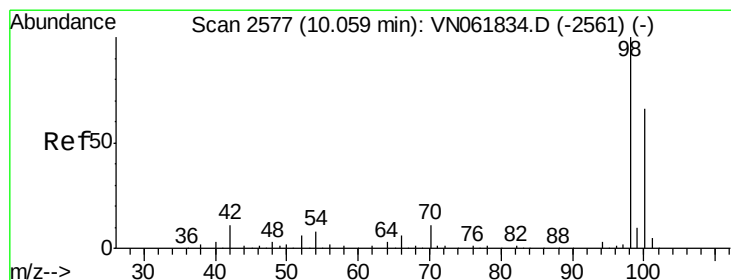
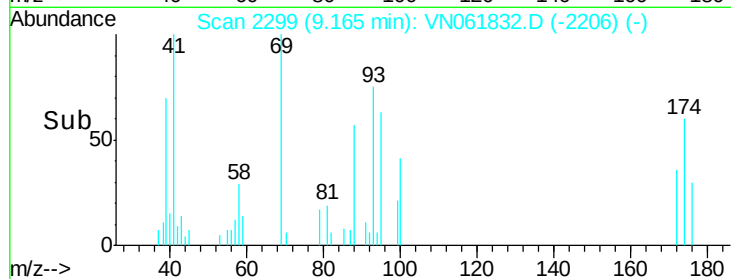
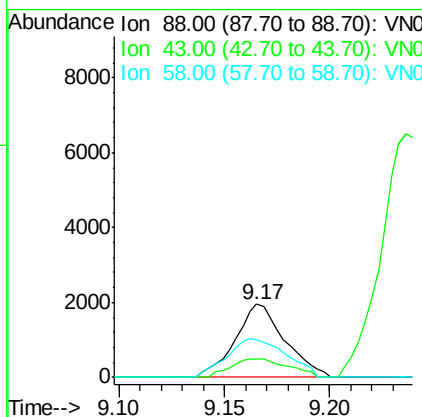
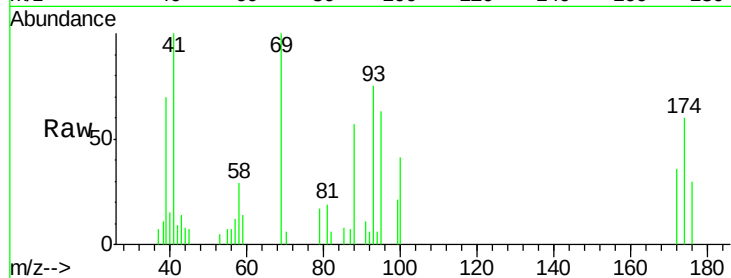
#49
 1,4-Dioxane
 Concen: 127.499 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	88	Resp	3192
Ion	Ratio	Lower	Upper
88	100		
43	29.4	23.4	35.2
58	62.8	49.8	74.6

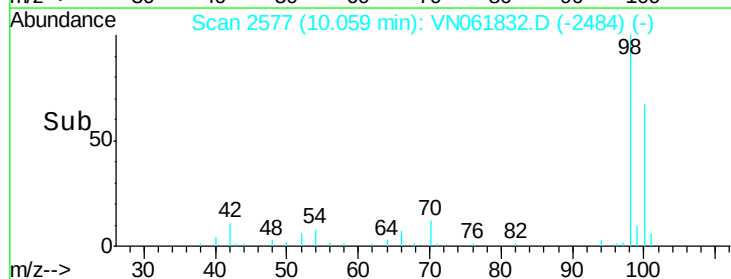
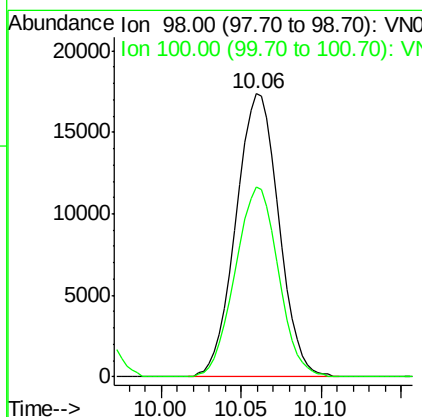
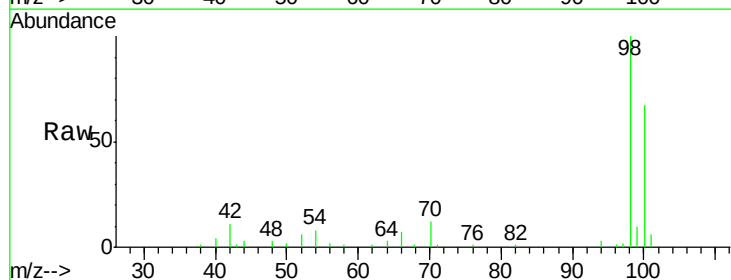
Manual Integrations
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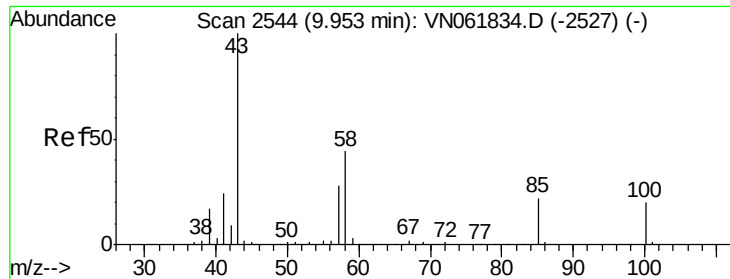
MMDadoda
 6/17/2020 3:44:52 PM



#50
 Toluene-d8
 Concen: 5.232 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion	98	Resp	31788
Ion	Ratio	Lower	Upper
98	100		
100	67.6	52.7	79.1





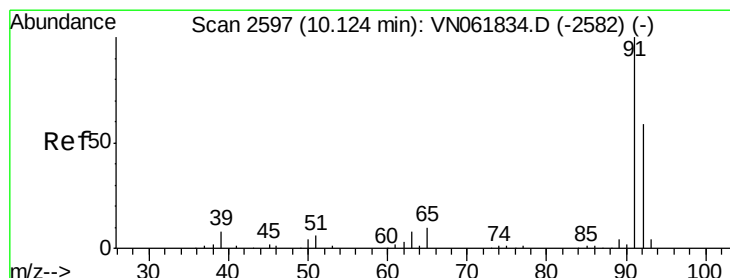
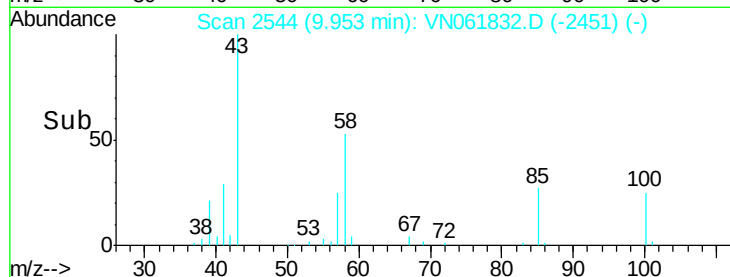
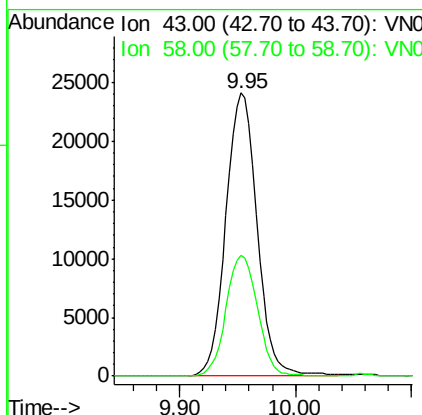
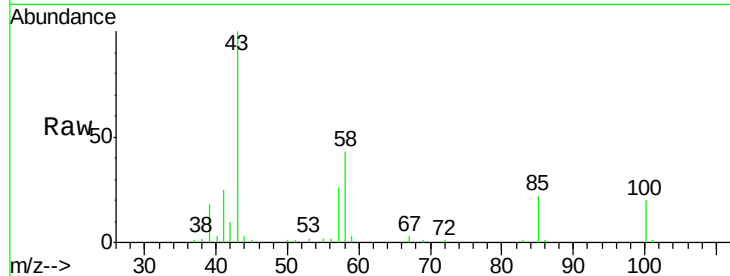
#51
4-Methyl-2-Pentanone
Concen: 24.221 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 45194
Ion Ratio Lower Upper
43 100
58 42.8 34.6 52.0

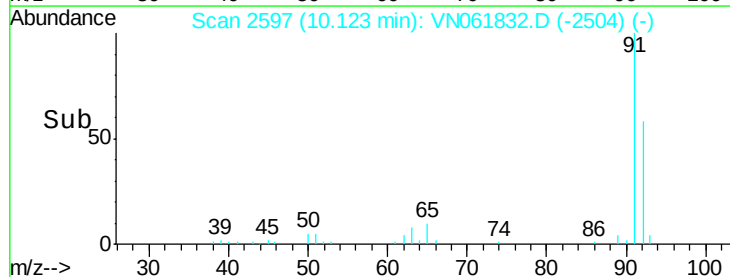
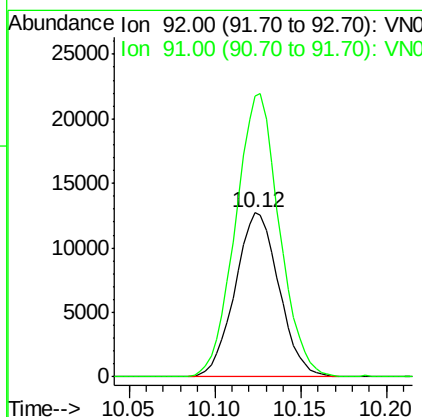
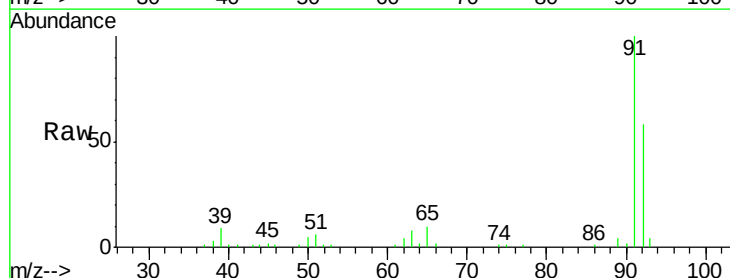
Manual Integrations
APPROVED

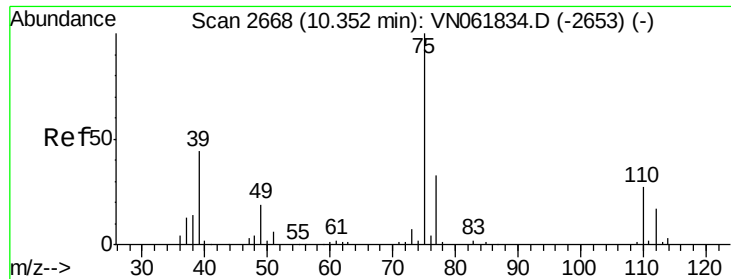
MMDadoda
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#52
Toluene
Concen: 4.872 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion: 92 Resp: 22492
Ion Ratio Lower Upper
92 100
91 172.4 137.1 205.7





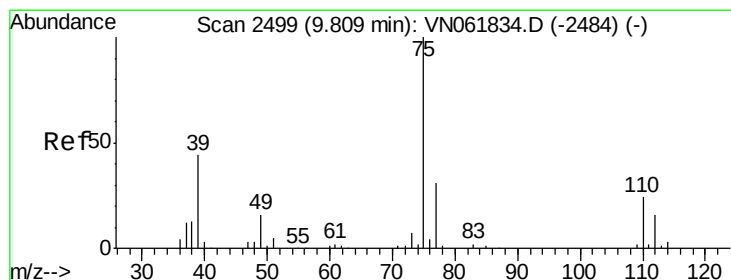
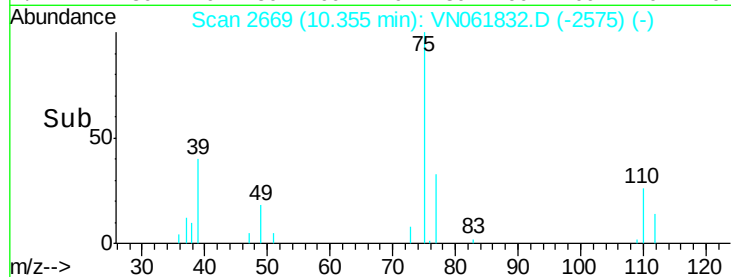
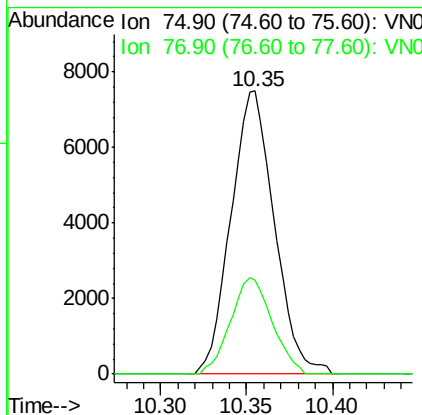
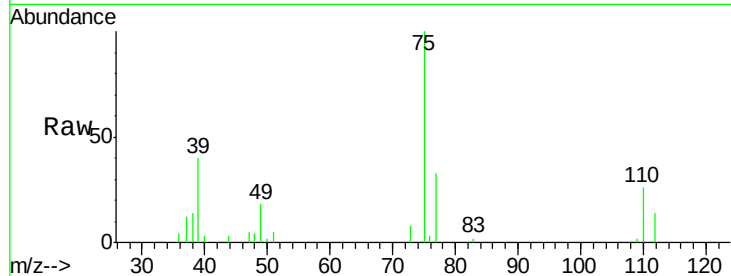
#53
t-1,3-Dichloropropene
Concen: 4.791 ug/l
RT: 10.35 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 13128
Ion Ratio Lower Upper
75 100
77 33.4 26.3 39.5

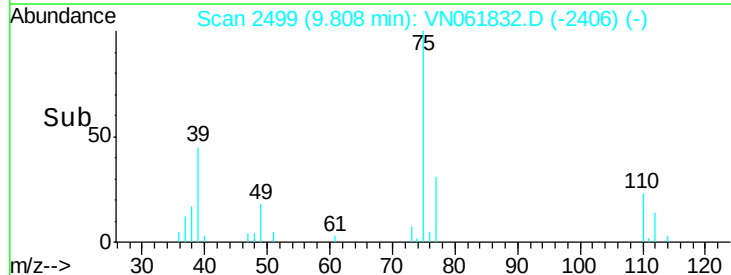
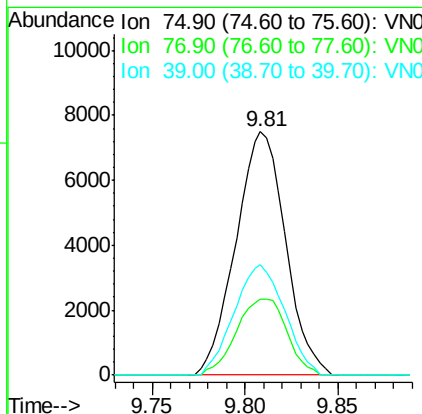
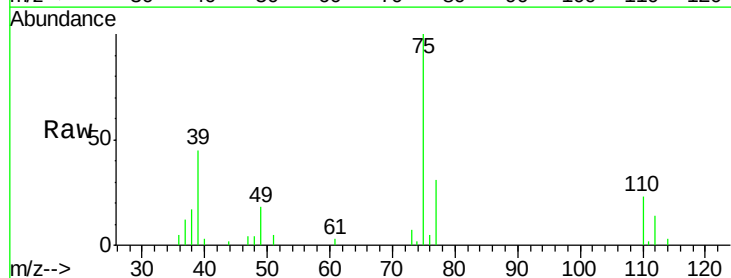
Manual Integrations
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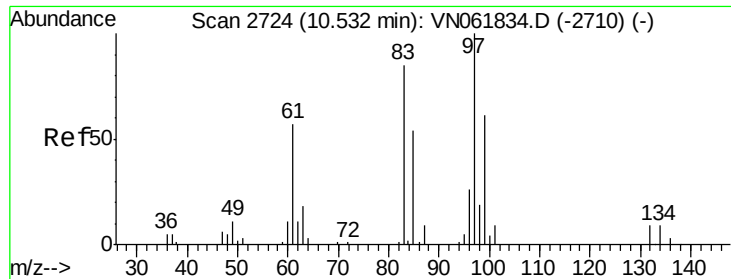
MMDadoda
6/17/2020 3:44:52 PM



#54
cis-1,3-Dichloropropene
Concen: 4.712 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion: 75 Resp: 13942
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 45.2 35.4 53.0





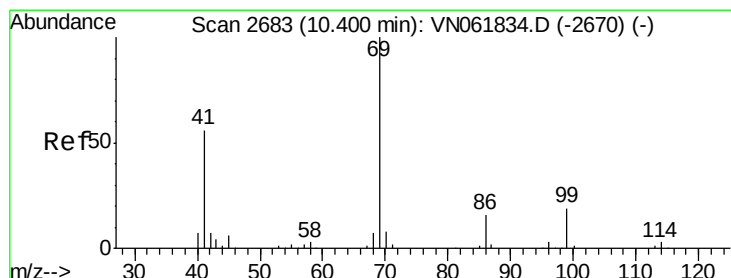
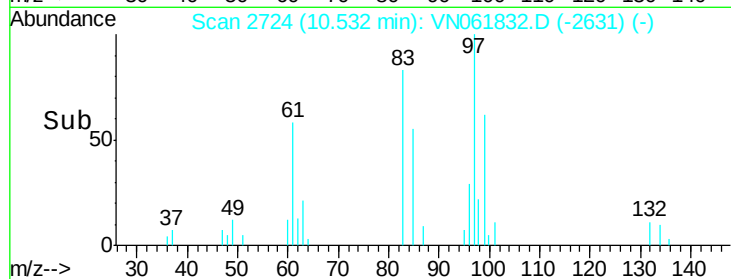
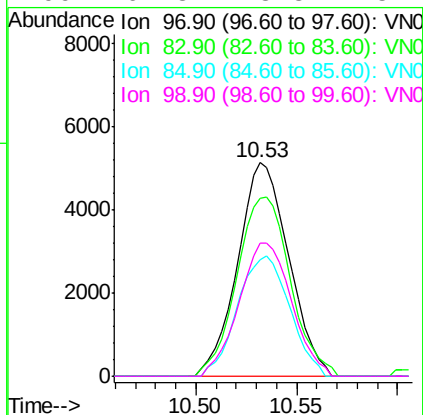
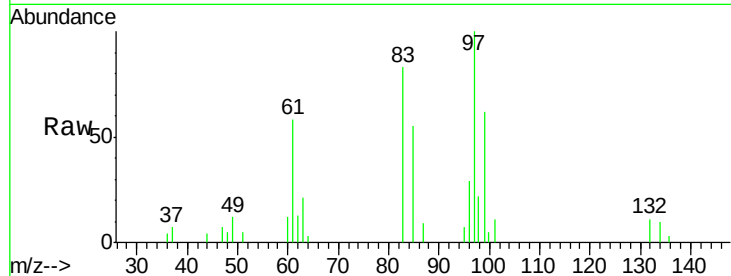
#55
1,1,2-Trichloroethane
Concen: 4.940 ug/l
RT: 10.53 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	97	Resp:	9068
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.7	101.5
85	54.5	43.4	65.0
99	62.3	48.8	73.2

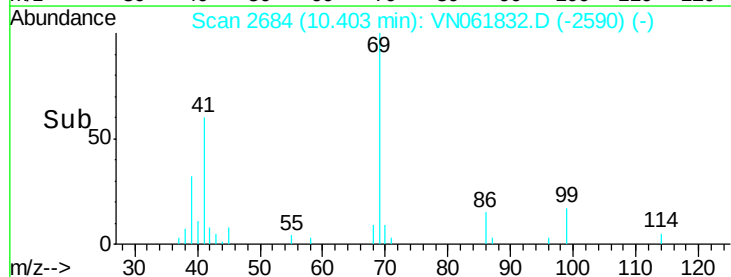
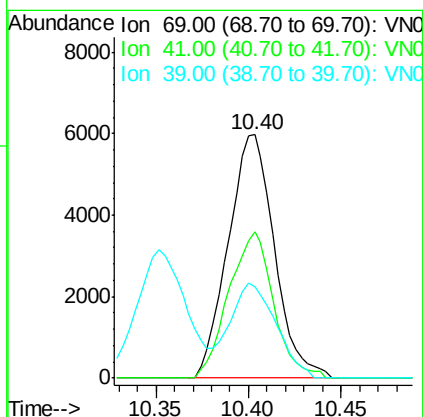
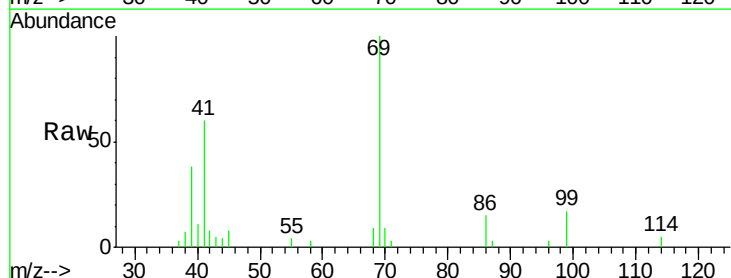
Manual Integrations
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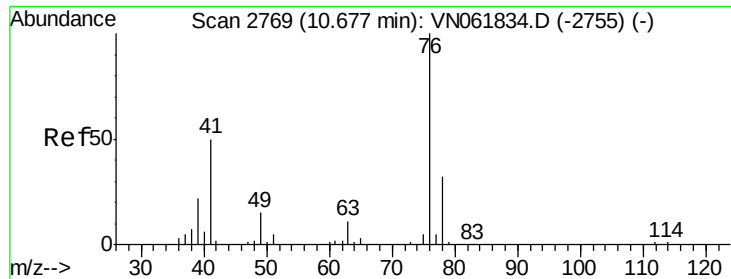
MMDadoda
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#56
Ethyl methacrylate
Concen: 4.085 ug/l
RT: 10.40 min Scan# 2684
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion:	69	Resp:	10392
Ion	Ratio	Lower	Upper
69	100		
41	57.9	44.9	67.3
39	38.7	30.0	45.0





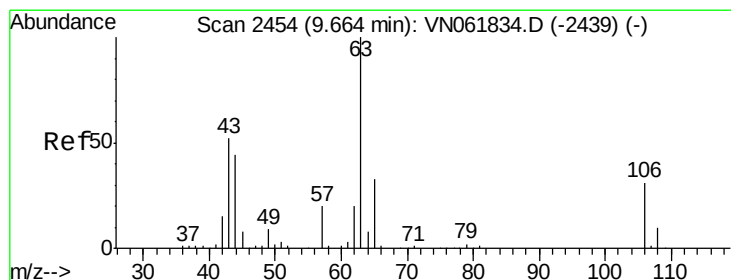
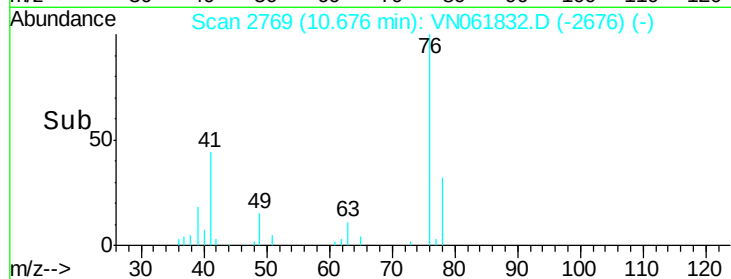
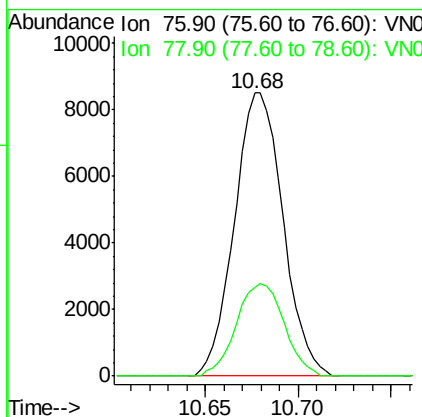
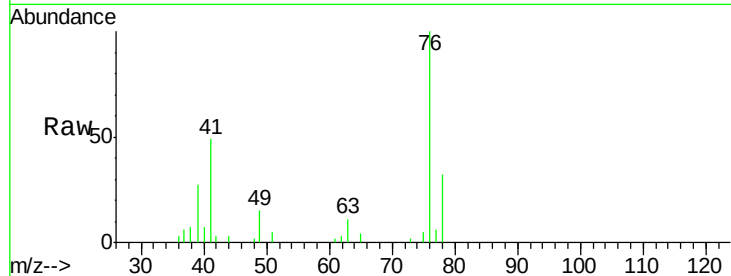
#57
 1,3-Dichloropropane
 Concen: 5.245 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

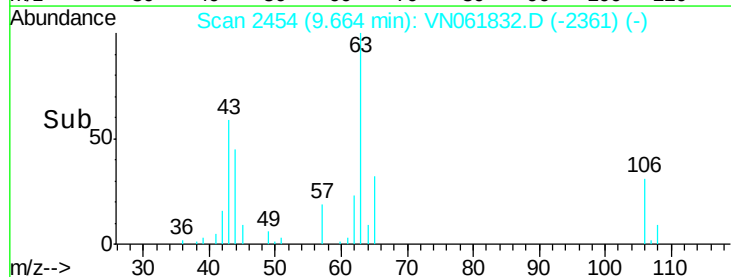
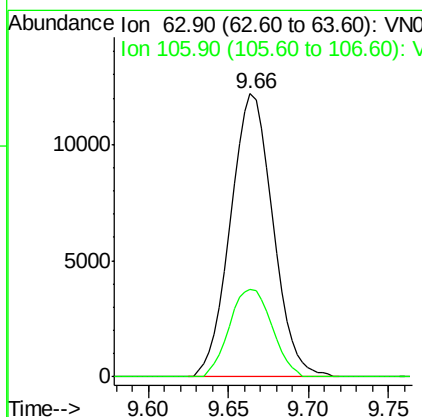
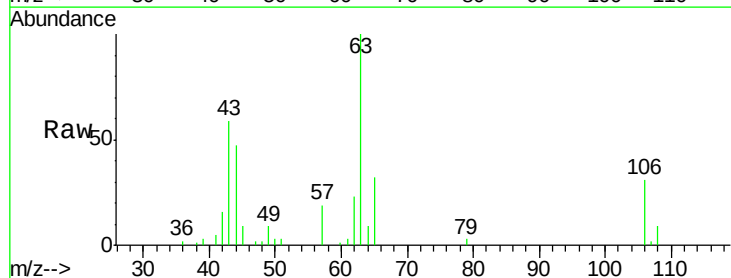
Manual Integrations
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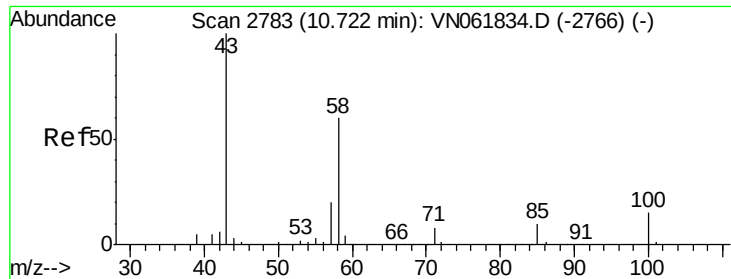
MMDadoda
 6/17/2020 3:44:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.622 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	24.6	36.8





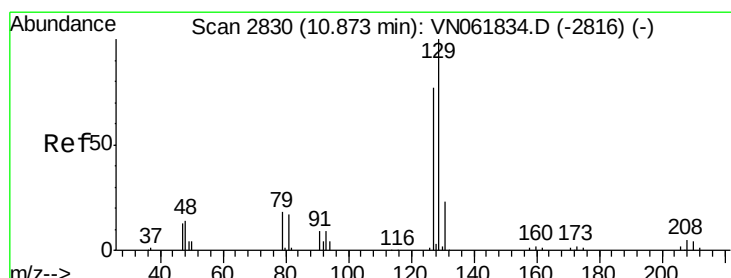
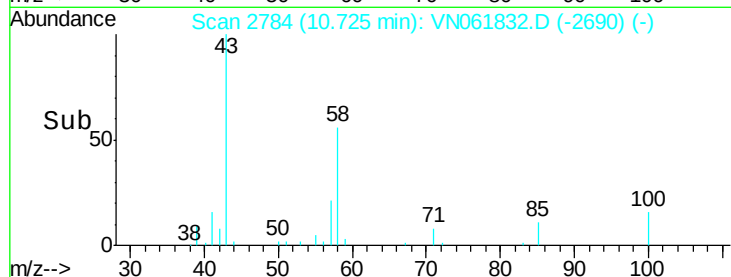
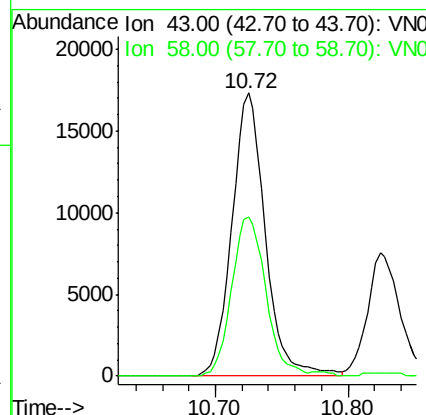
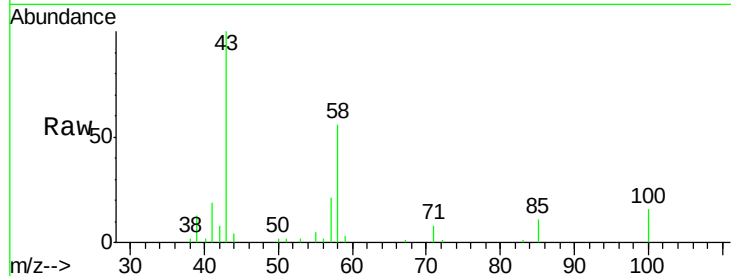
#59
2-Hexanone
Concen: 22.606 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30295
Ion Ratio Lower Upper
43 100
58 57.3 30.1 90.5

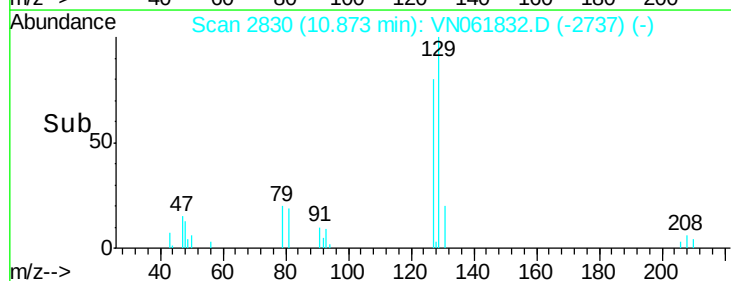
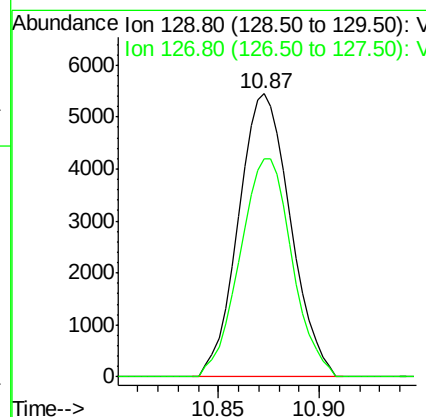
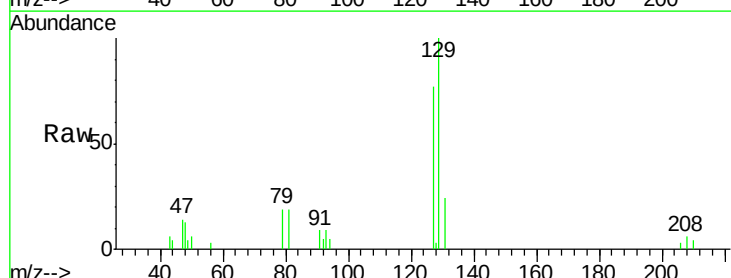
Manual Integrations
APPROVED

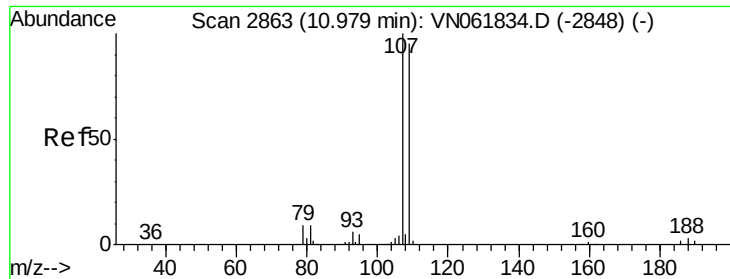
MMDadoda
6/17/2020 3:44:52 PM



#60
Dibromochloromethane
Concen: 4.748 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion: 129 Resp: 9801
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





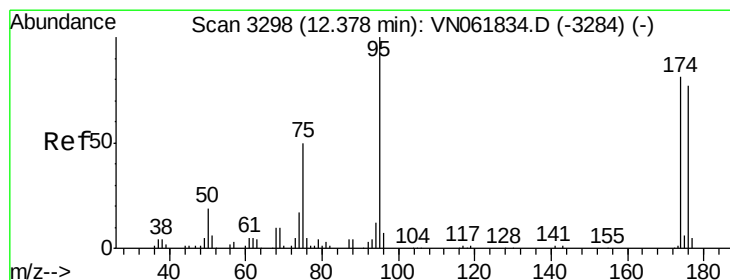
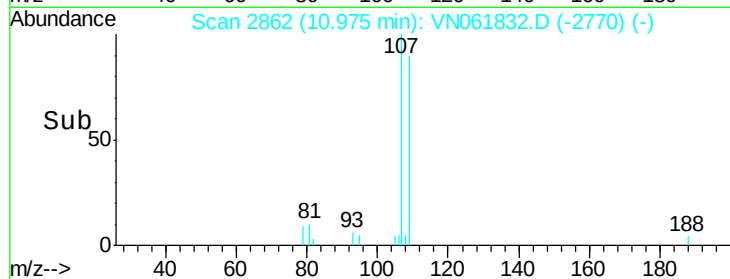
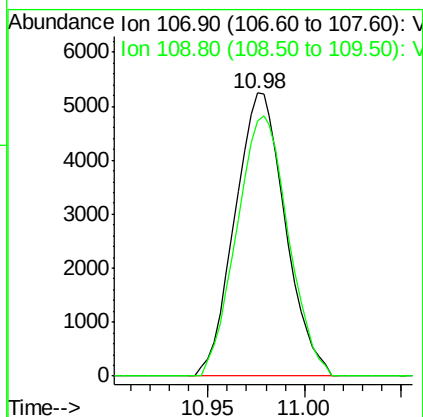
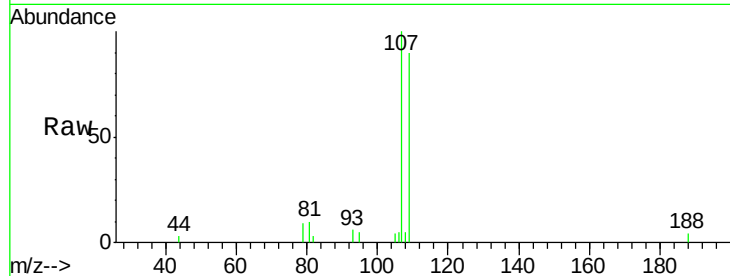
#61
 1,2-Dibromoethane
 Concen: 4.986 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 9504
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6

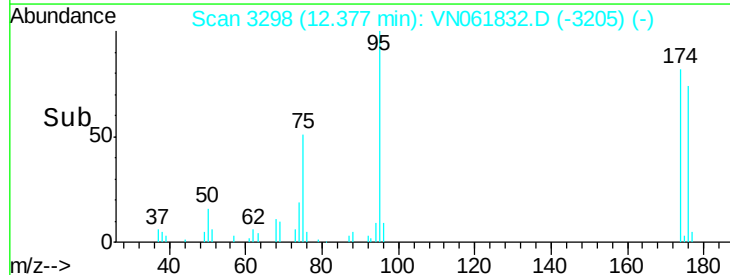
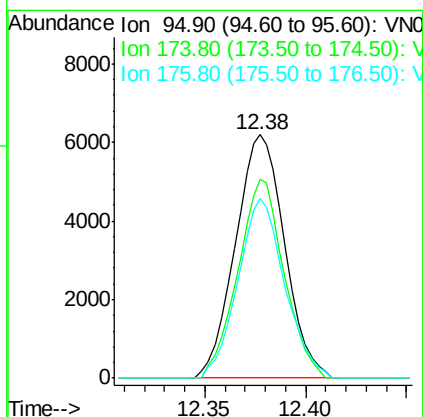
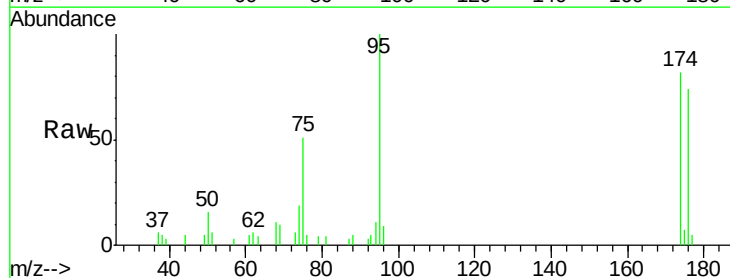
Manual Integrations
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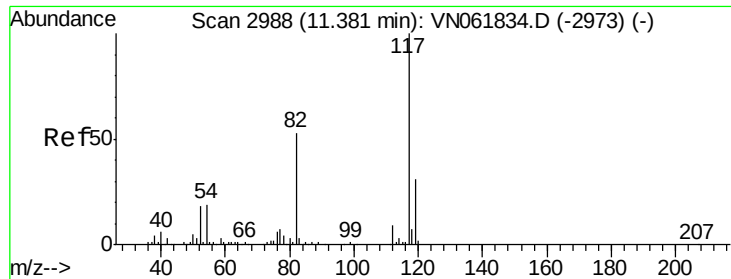
MMDadoda
 6/17/2020 3:44:52 PM



#62
 4-Bromofluorobenzene
 Concen: 4.783 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion: 95 Resp: 10535
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 158.6
 176 70.4 0.0 152.0





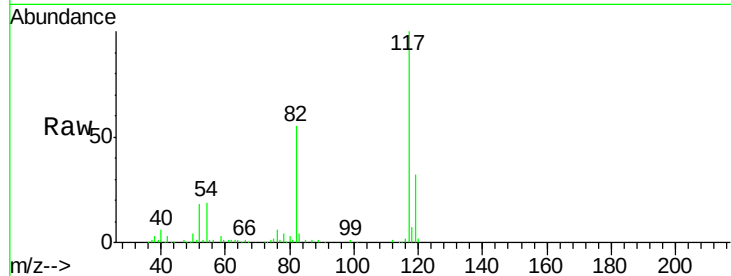
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

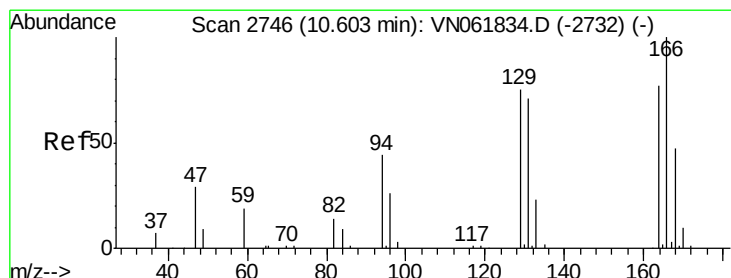
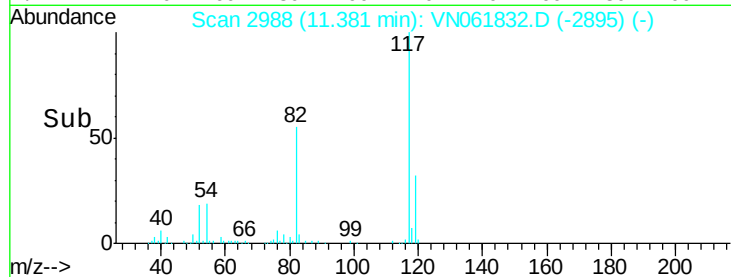
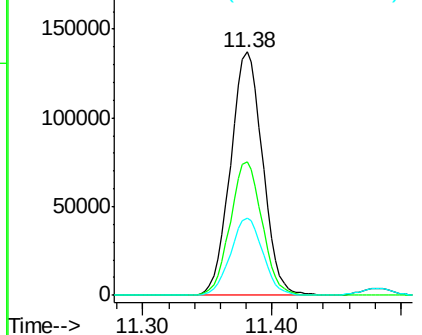
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.6	64.0
119	31.8	24.7	37.1

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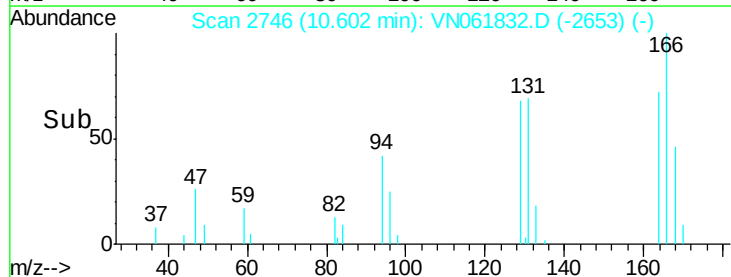
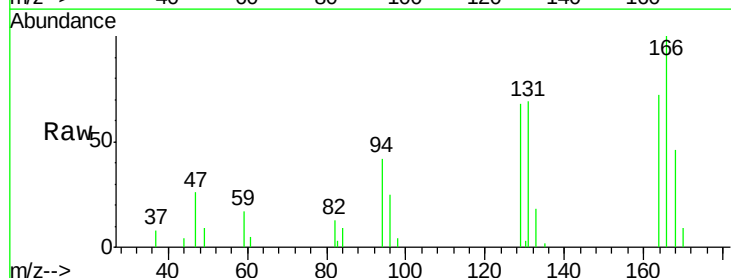
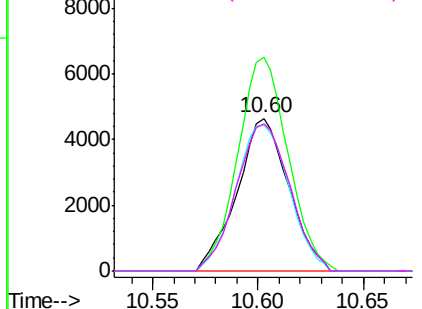
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

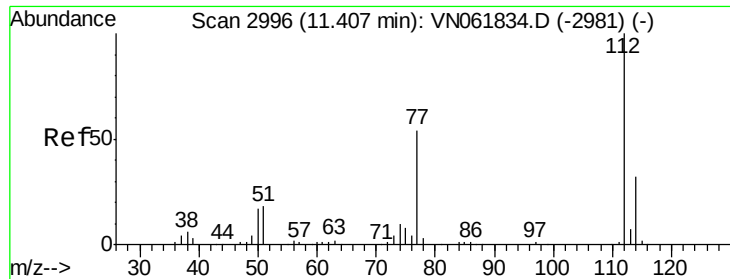


#64
Tetrachloroethene
Concen: 3.712 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	139.6	103.5	155.3
129	95.3	77.5	116.3
131	96.4	73.8	110.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





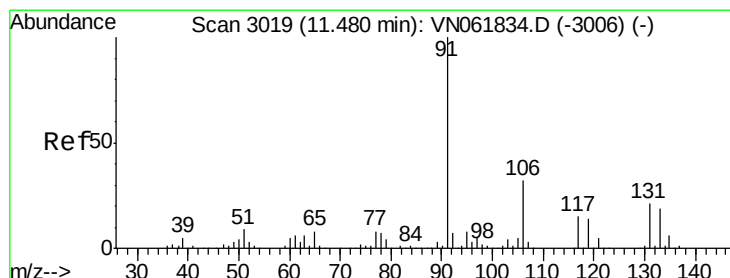
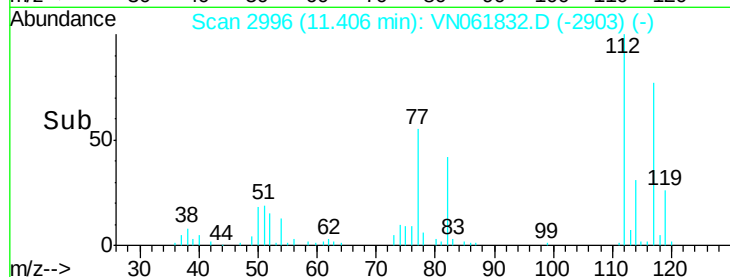
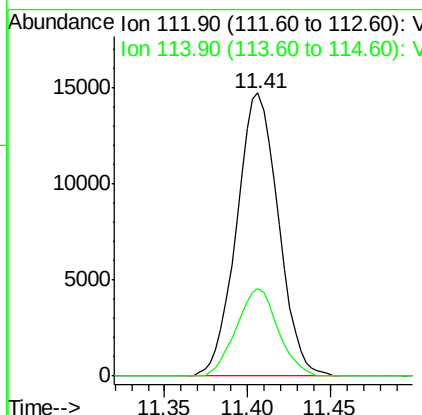
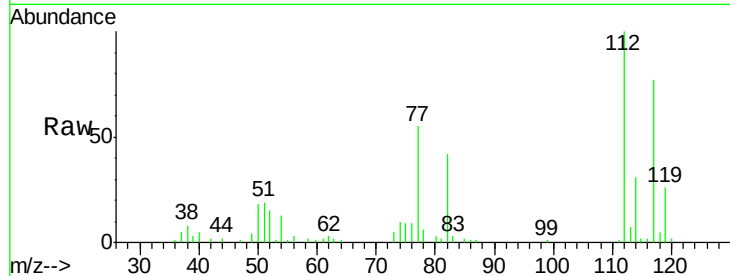
#65
Chlorobenzene
Concen: 5.194 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 25755
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

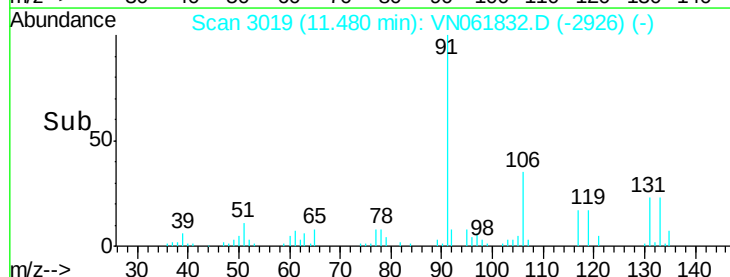
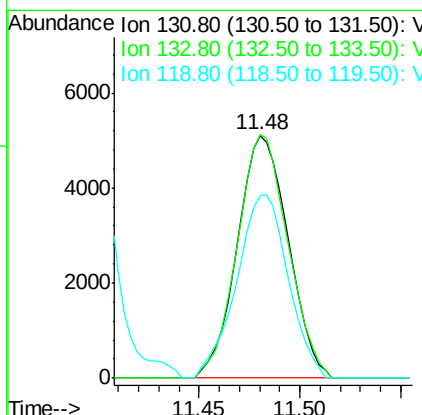
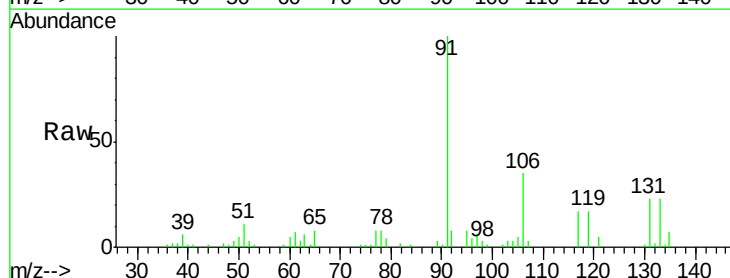
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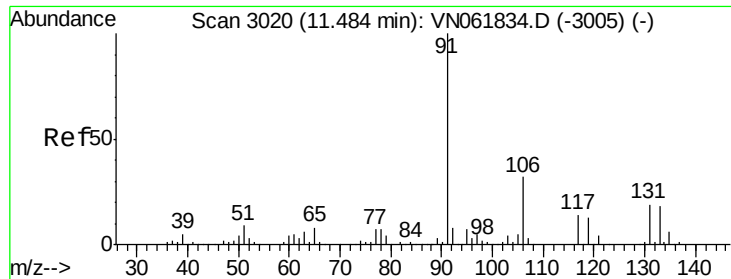
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.909 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion:131 Resp: 9009
Ion Ratio Lower Upper
131 100
133 99.7 47.5 142.5
119 76.5 34.0 101.8





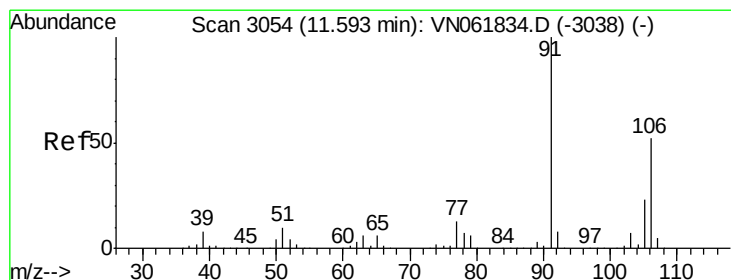
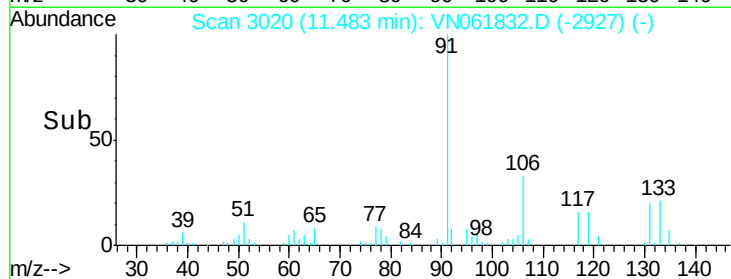
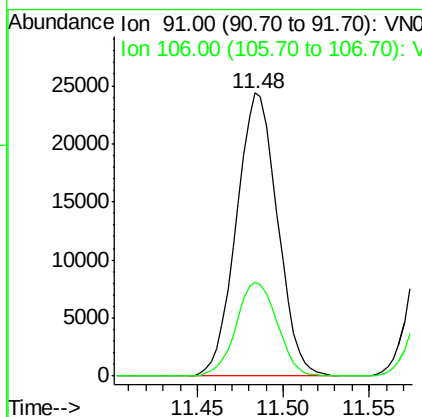
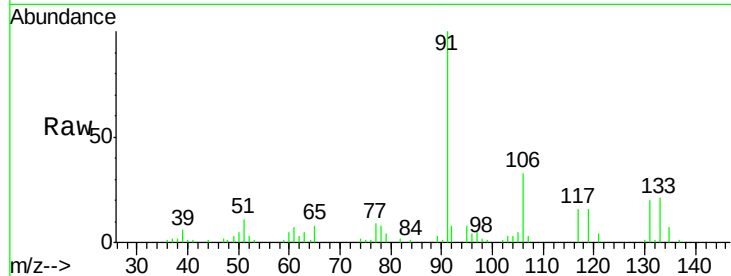
#67
Ethyl Benzene
Concen: 4.735 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 40666
Ion Ratio Lower Upper
91 100
106 33.4 25.4 38.2

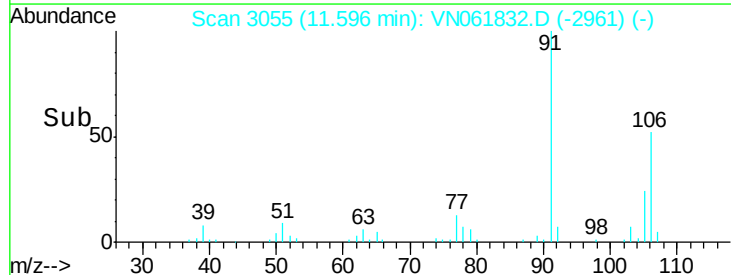
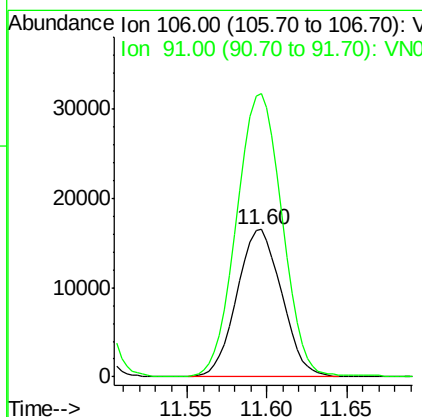
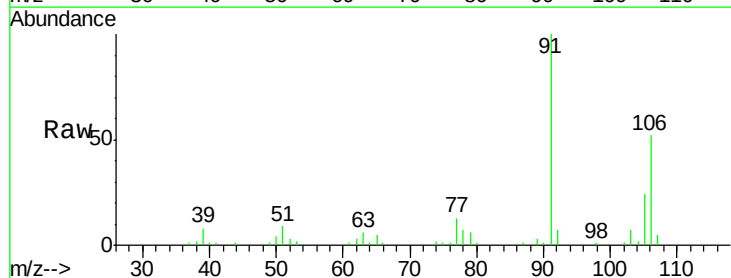
Manual Integrations
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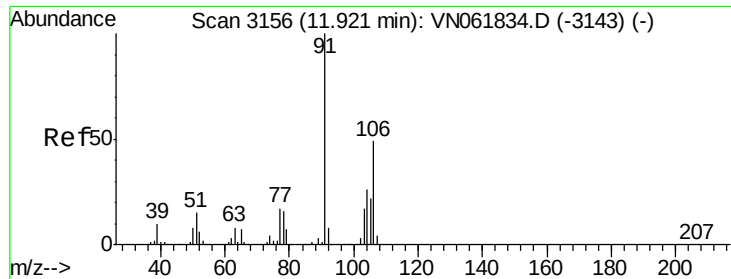
MMDadoda
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#68
m/p-Xylenes
Concen: 9.303 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion: 106 Resp: 31567
Ion Ratio Lower Upper
106 100
91 196.2 157.0 235.6





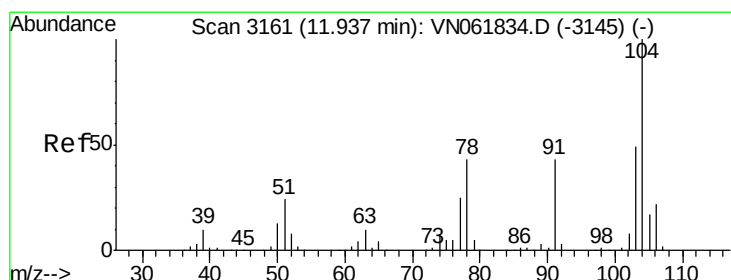
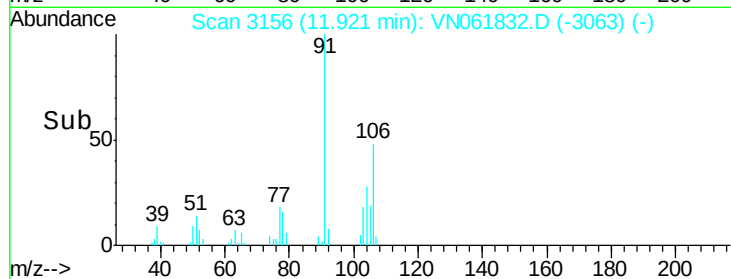
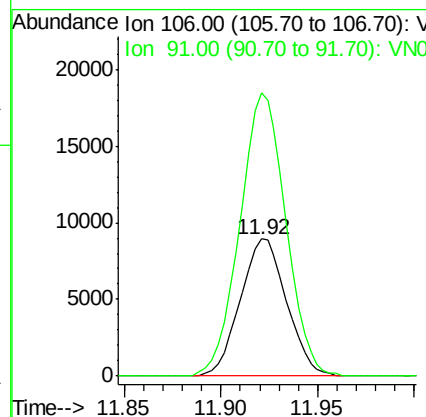
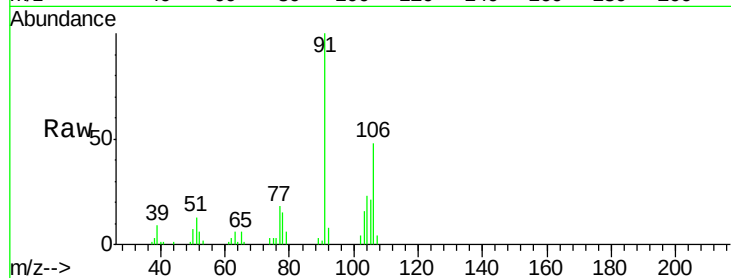
#69
o-Xylene
Concen: 4.605 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	204.9	103.0	308.9	

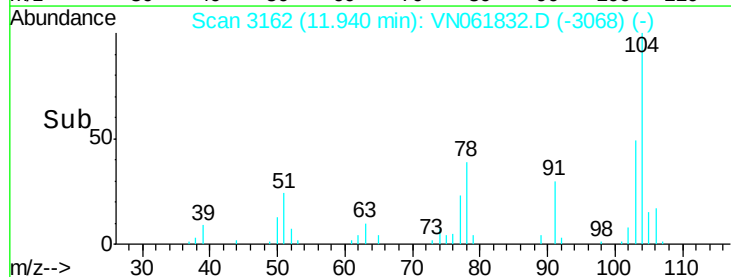
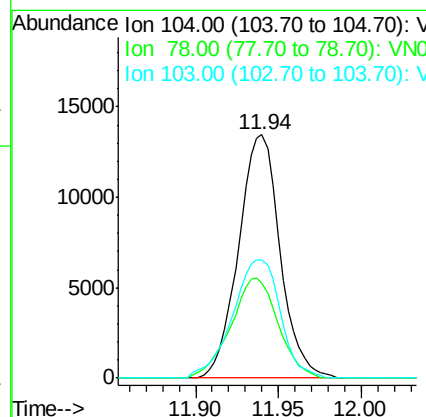
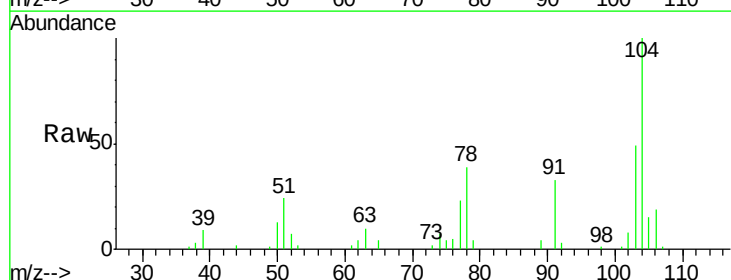
Manual Integrations
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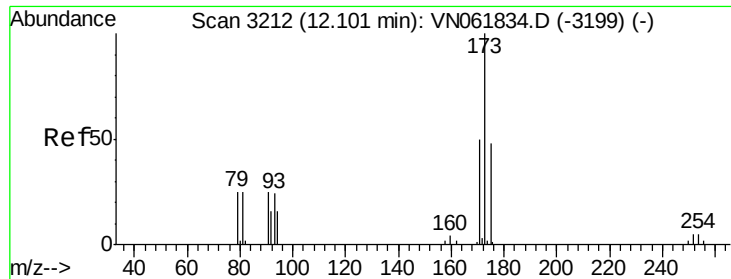
MMDadoda
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#70
Styrene
Concen: 4.376 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.0	37.6	56.4	
103	56.1	43.0	64.4	





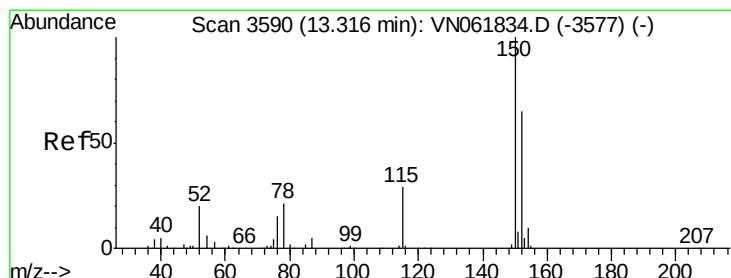
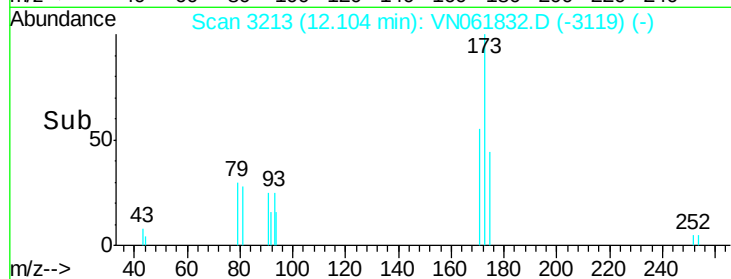
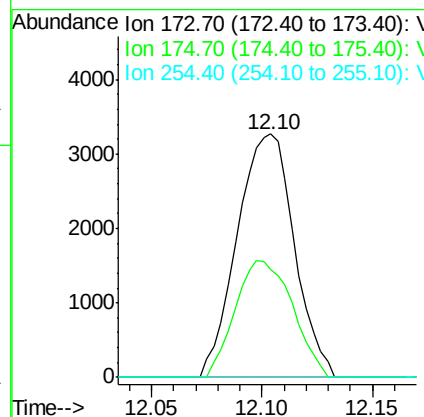
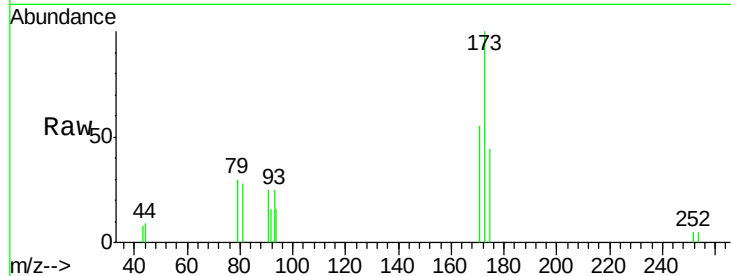
#71
Bromoform
Concen: 4.191 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 5862
Ion Ratio Lower Upper
173 100
175 48.2 23.9 71.7
254 0.0 0.0 0.0

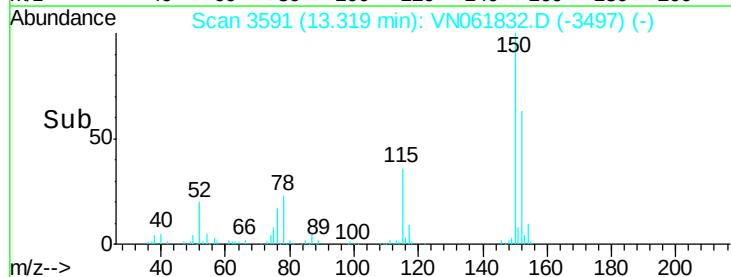
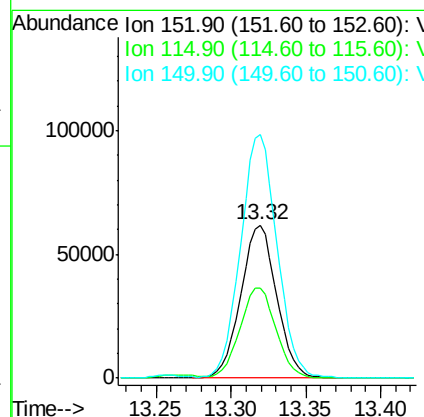
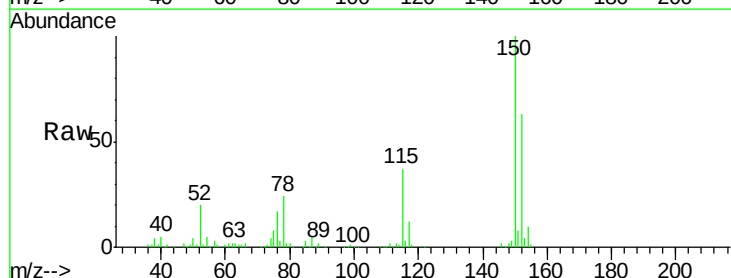
Manual Integrations
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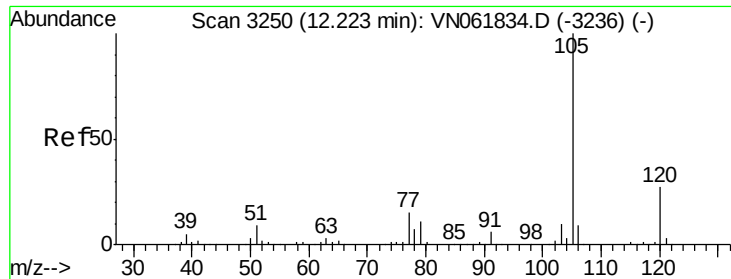
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion:152 Resp: 103298
Ion Ratio Lower Upper
152 100
115 59.2 29.1 87.3
150 160.0 0.0 347.6





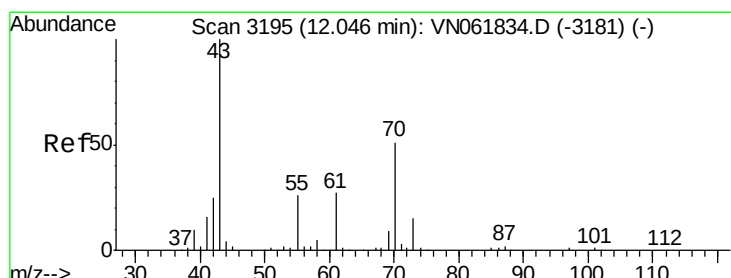
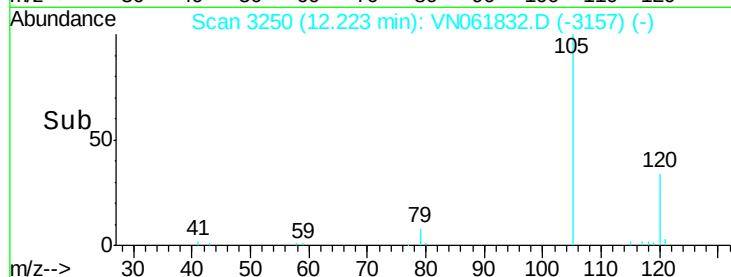
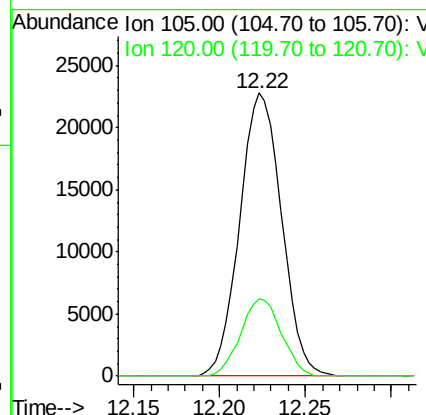
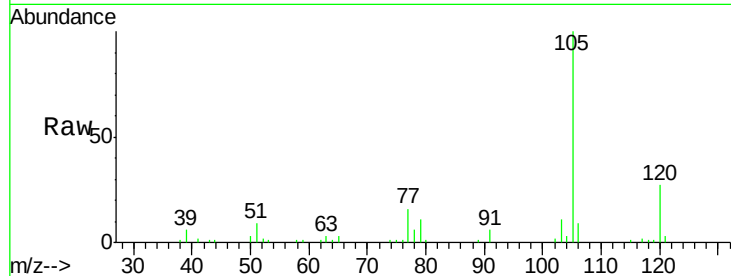
#73
Isopropylbenzene
Concen: 5.080 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

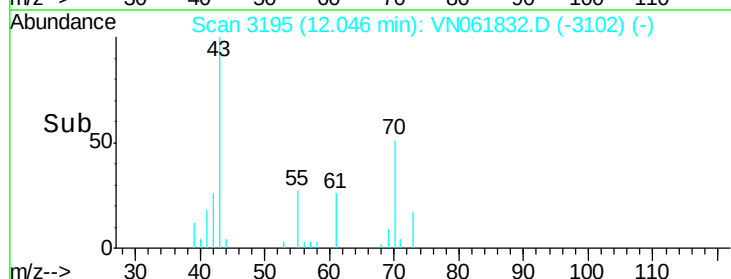
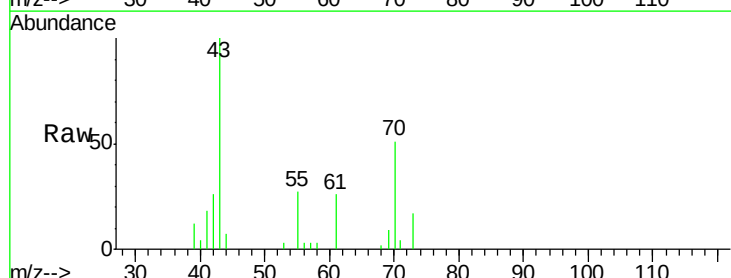
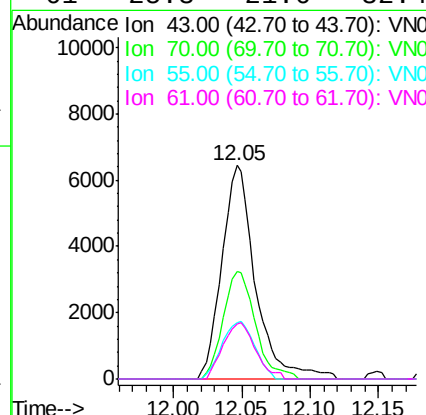
Manual Integrations
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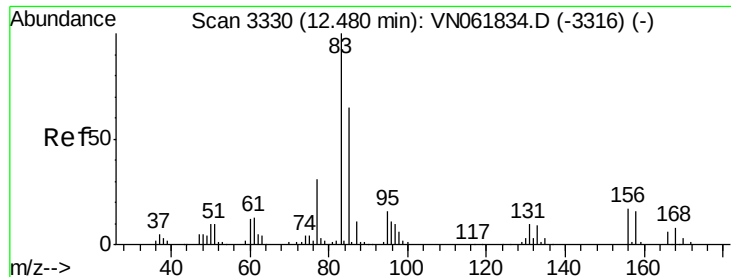
MMDadoda
6/17/2020 3:44:52 PM



#74
N-ethyl acetate
Concen: 4.612 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.2	40.6	60.8
55	26.2	21.5	32.3
61	25.3	21.6	32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 6.050 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

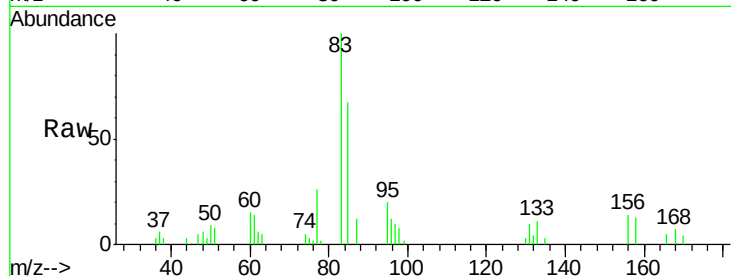
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	13067
Ion Ratio	Lower	Upper	
83	100		
131	8.8	5.0	15.0
85	67.0	32.4	97.2

Manual Integrations
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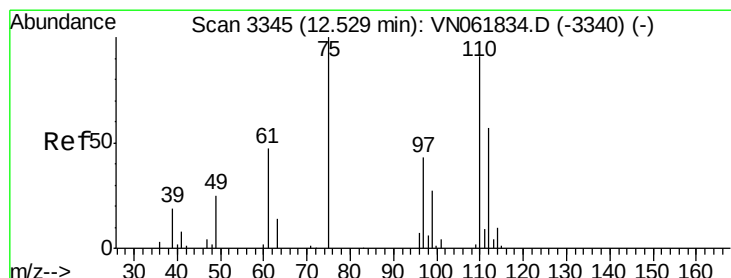
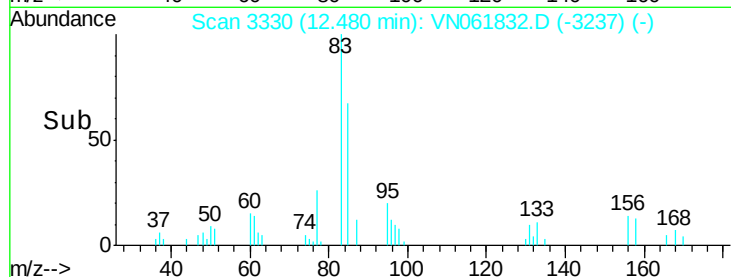
Abundance Ion 82.90 (82.60 to 83.60): VN061834.D (-3316) (-)

Ion 130.80 (130.50 to 131.50): VN061834.D (-3316) (-)

Ion 84.90 (84.60 to 85.60): VN061834.D (-3316) (-)

12.48

Time-->



#76

1,2,3-Trichloropropane

Concen: 6.476 ug/l m

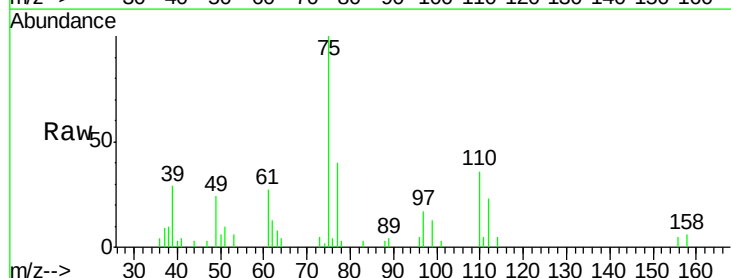
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Tgt Ion:	75	Resp:	12311
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

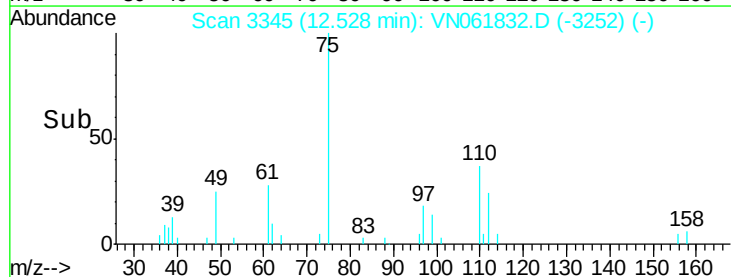


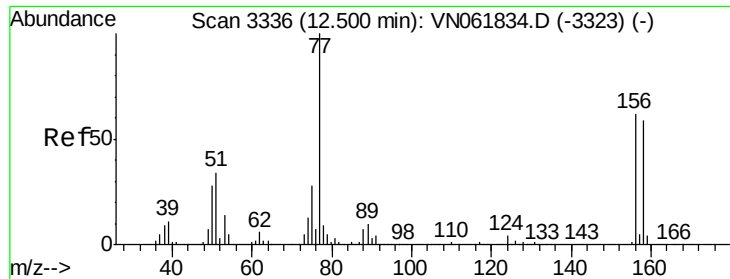
Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061834.D (-3340) (-)

12.53

Time-->





#77

Bromobenzene

Concen: 5.183 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

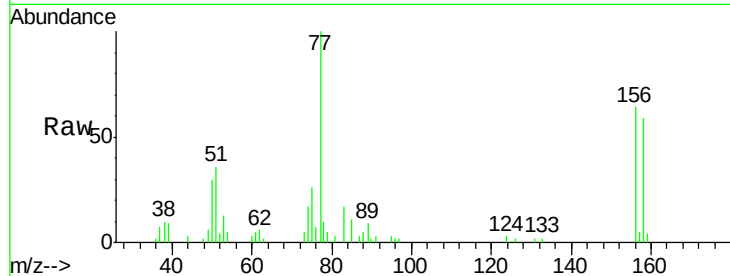
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	204.6	100.7	302.1
158	96.1	48.5	145.5

Manual Integrations
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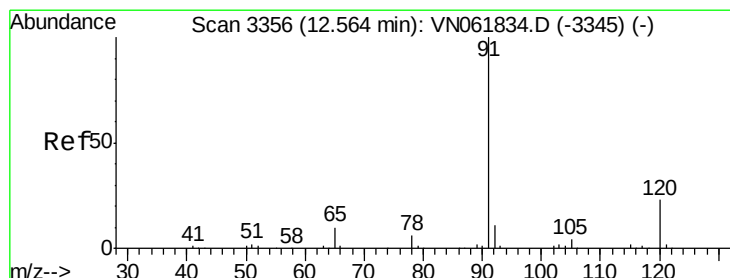
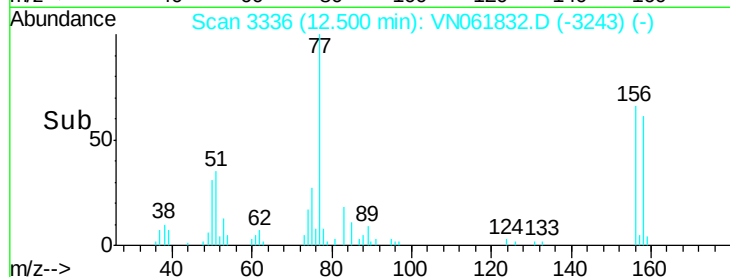
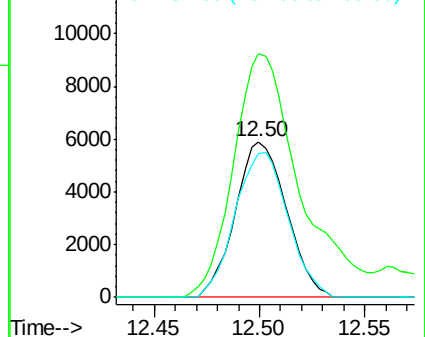


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.978 ug/l

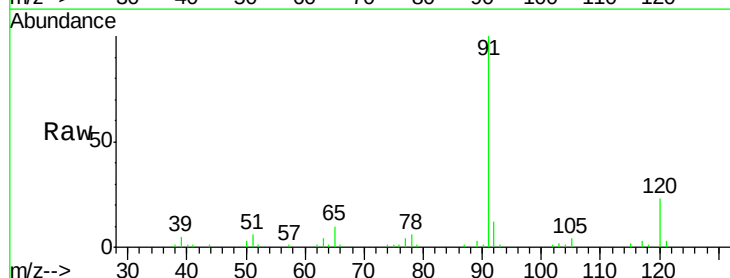
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

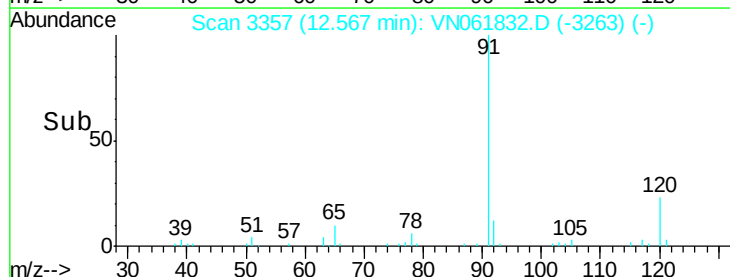
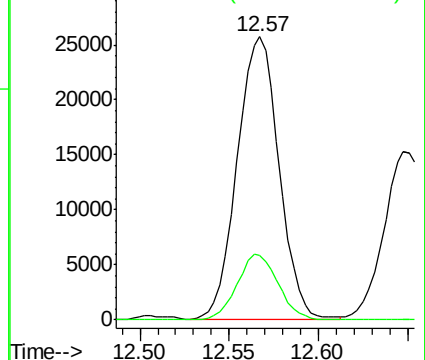
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.6	34.8

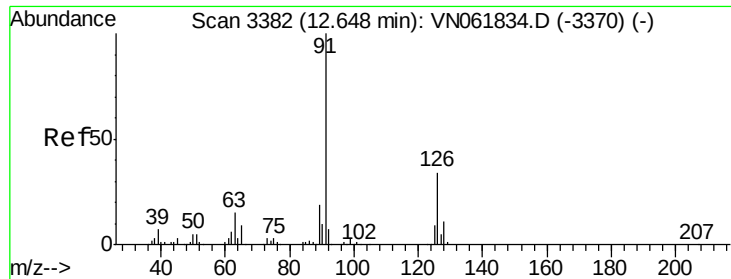


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.176 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 26197

Ion Ratio Lower Upper

91 100

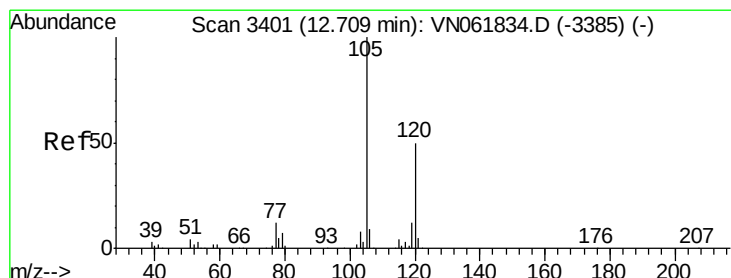
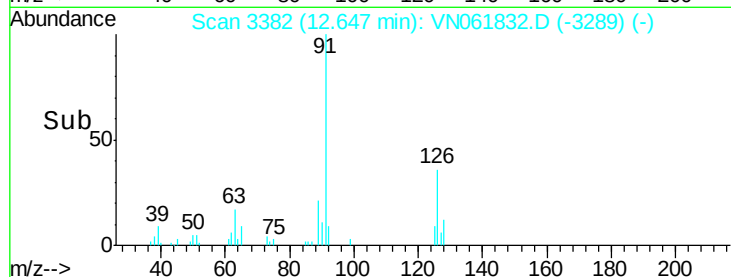
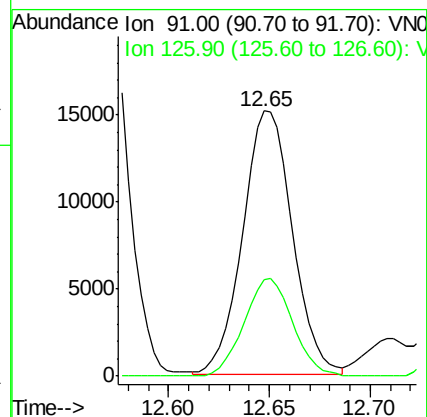
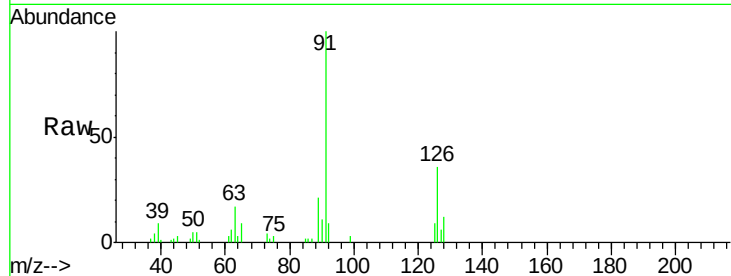
126 36.0 17.3 51.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.960 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061832.D

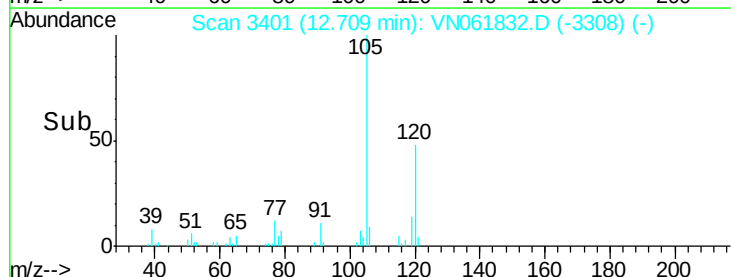
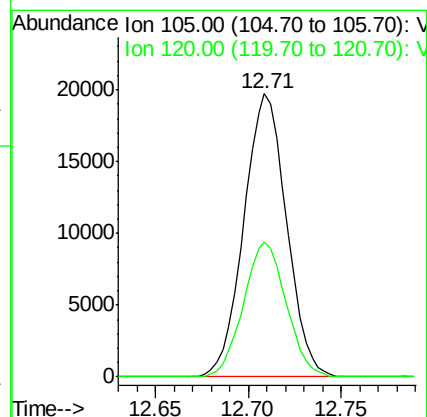
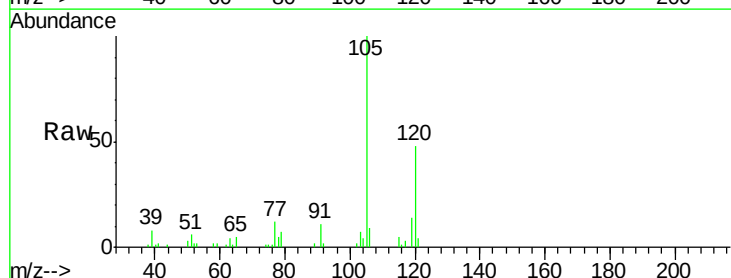
Acq: 16 Jun 2020 17:50

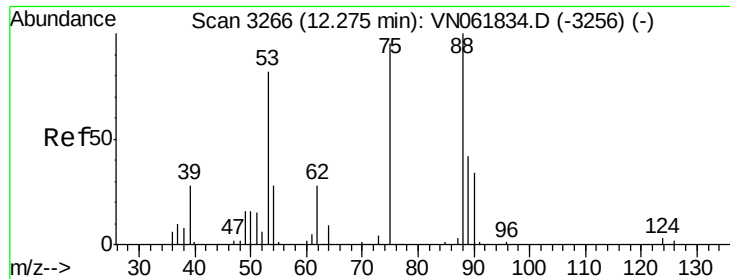
Tgt Ion: 105 Resp: 31420

Ion Ratio Lower Upper

105 100

120 47.6 24.9 74.7





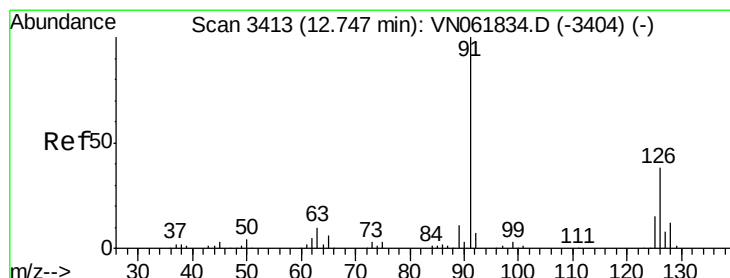
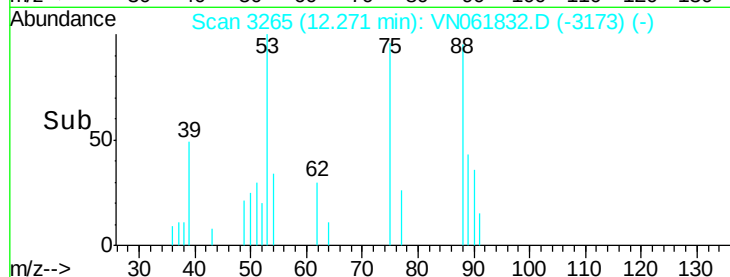
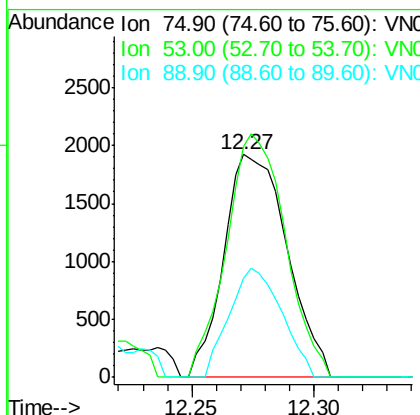
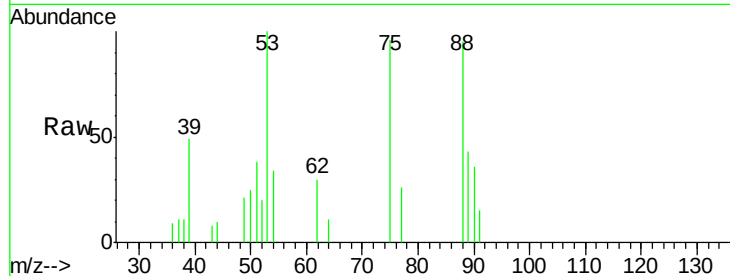
#81
trans-1,4-Dichloro-2-butene
Concen: 4.686 ug/l
RT: 12.27 min Scan# 3265
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 3460
Ion Ratio Lower Upper
75 100
53 102.2 70.4 105.6
89 40.6 36.0 54.0

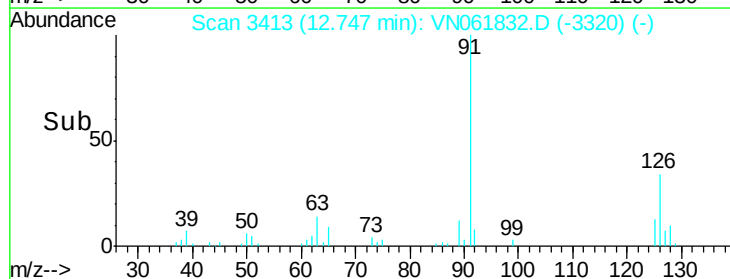
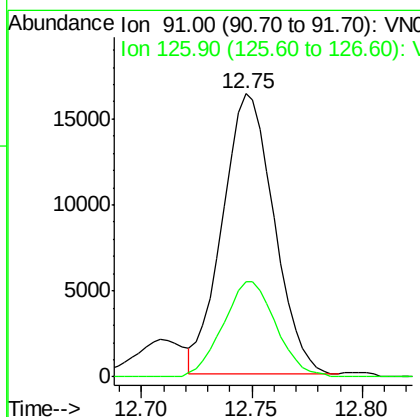
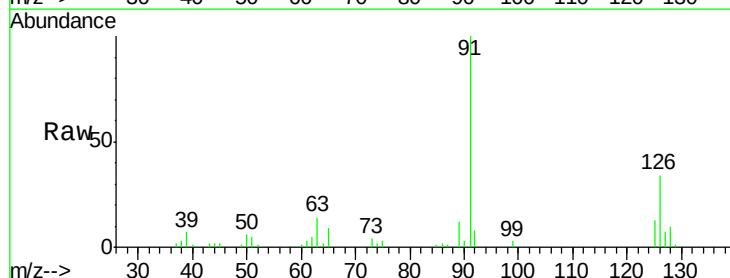
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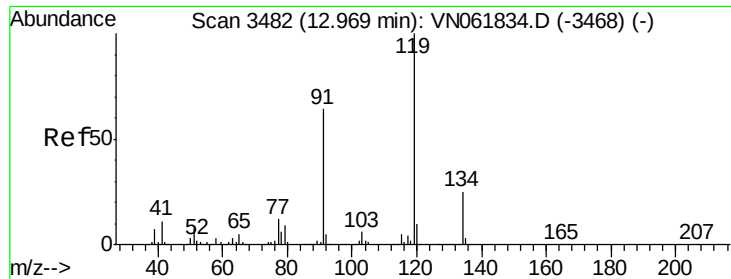
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#82
4-Chlorotoluene
Concen: 4.956 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion: 91 Resp: 26349
Ion Ratio Lower Upper
91 100
126 35.0 17.2 51.6





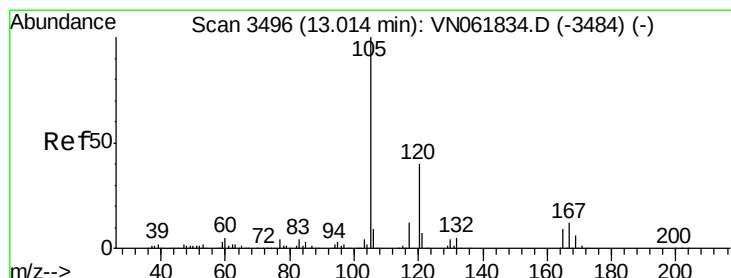
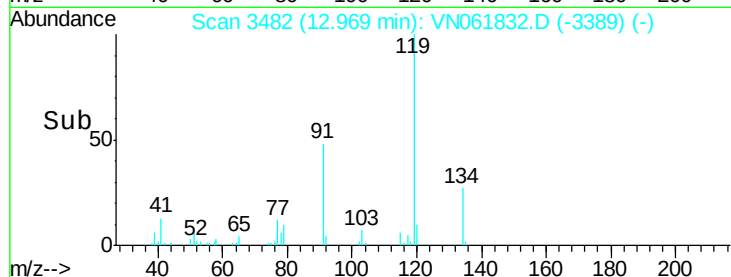
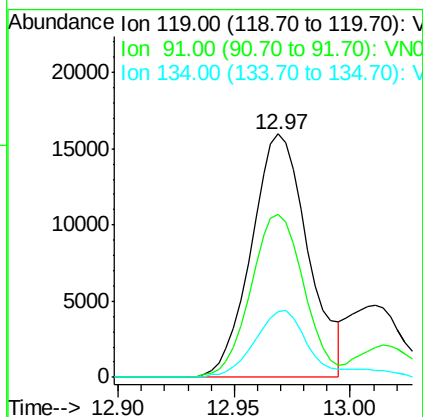
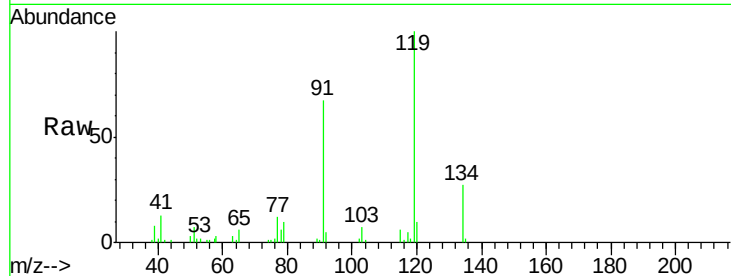
#83
tert-Butylbenzene
Concen: 4.868 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.5	94.5
134	27.8	13.3	39.9

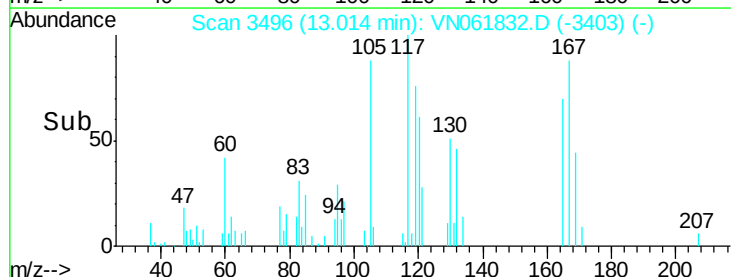
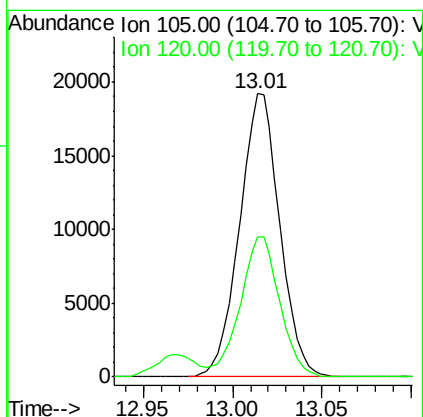
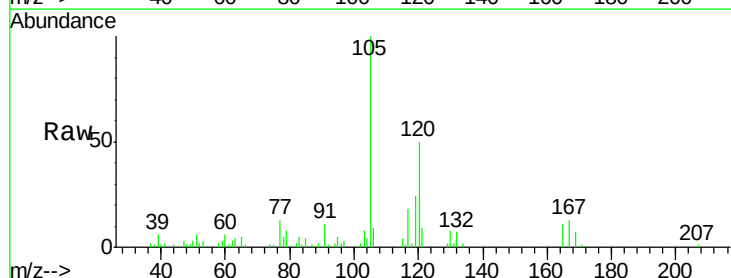
Manual Integrations
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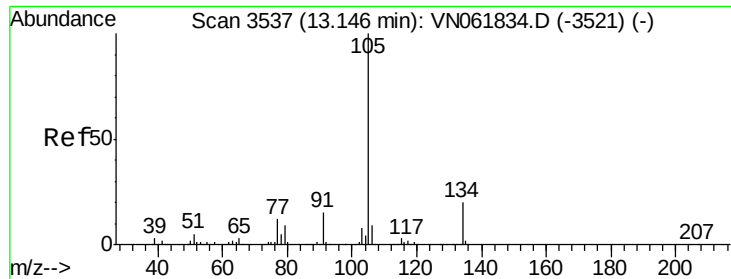
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#84
1,2,4-Trimethylbenzene
Concen: 4.806 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.3	69.9





#85

sec-Butylbenzene

Concen: 4.891 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 35121

Ion Ratio Lower Upper

105 100

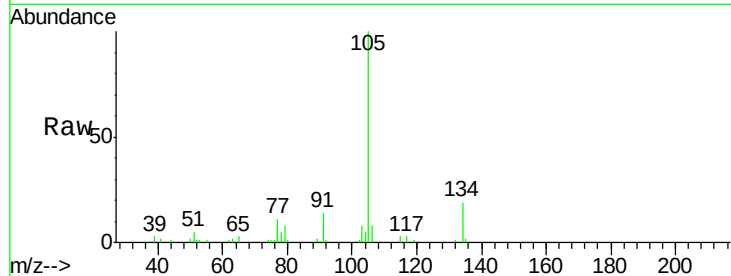
134 20.4 10.1 30.1

Manual Integrations

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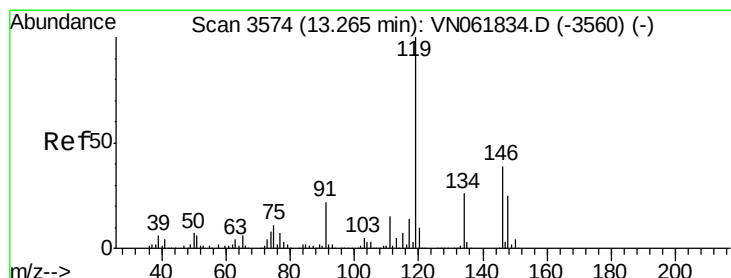
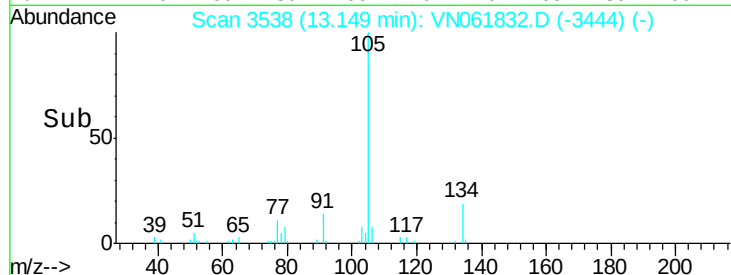
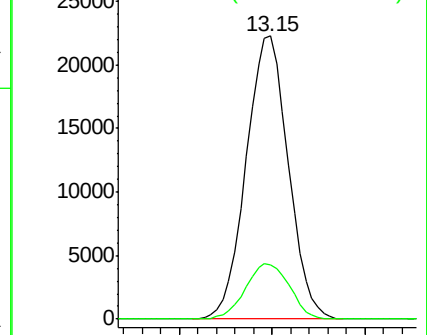
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.557 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

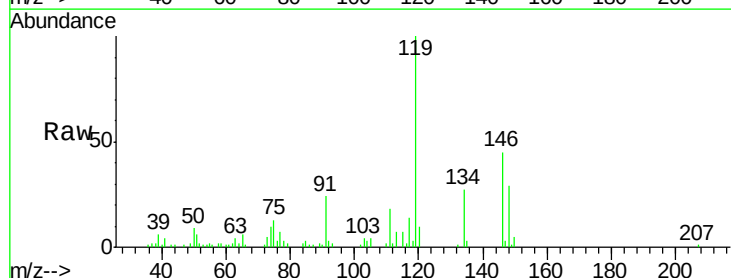
Tgt Ion:119 Resp: 30047

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

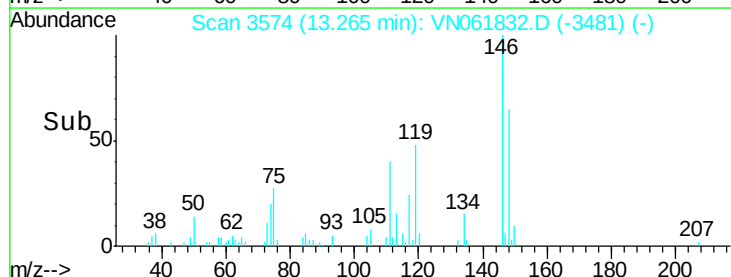
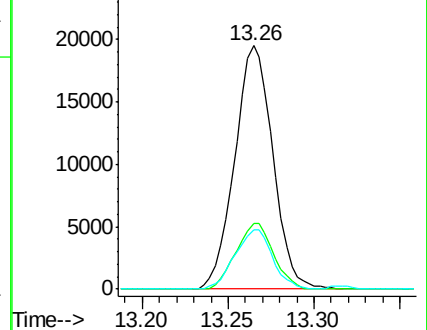
91 24.0 11.2 33.6

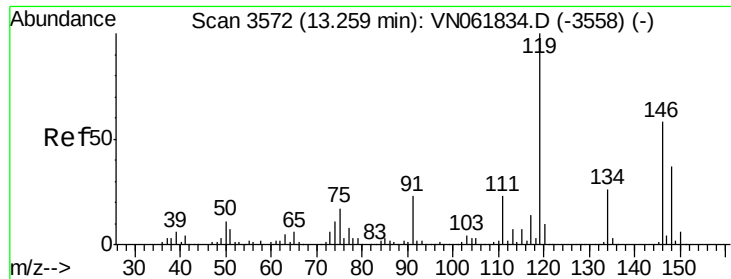


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





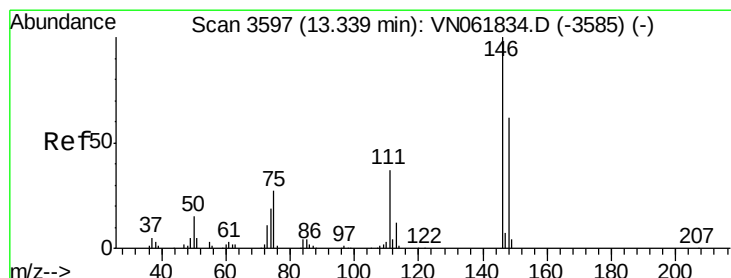
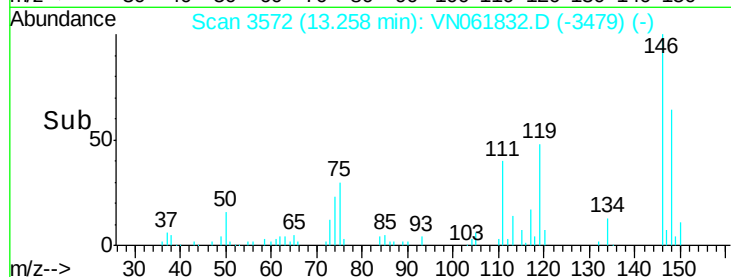
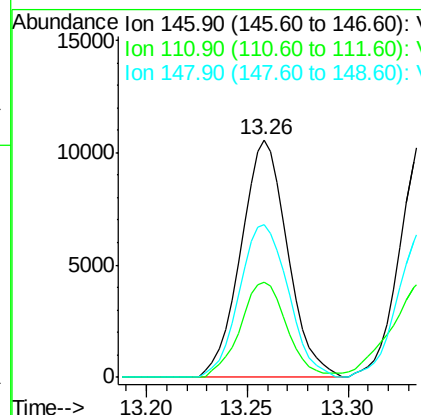
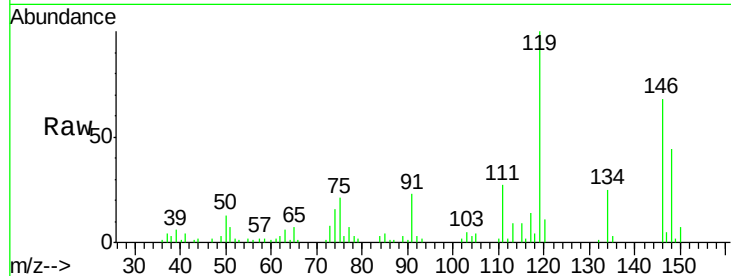
#87
 1,3-Dichlorobenzene
 Concen: 4.997 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	67.5	31.8	95.4

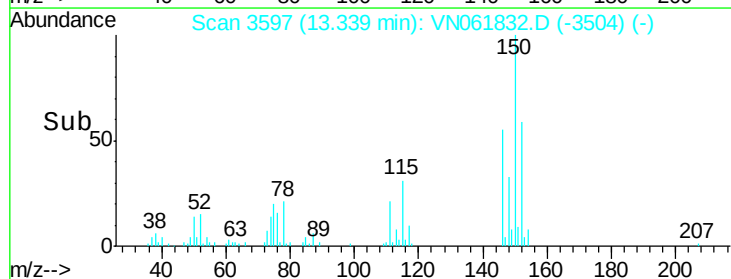
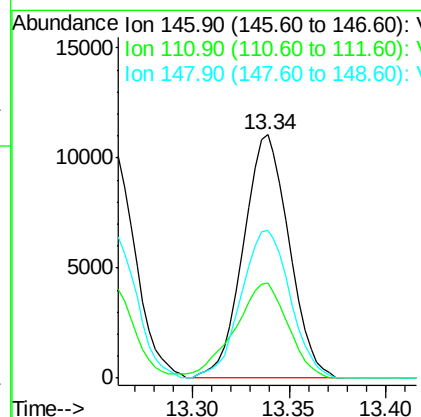
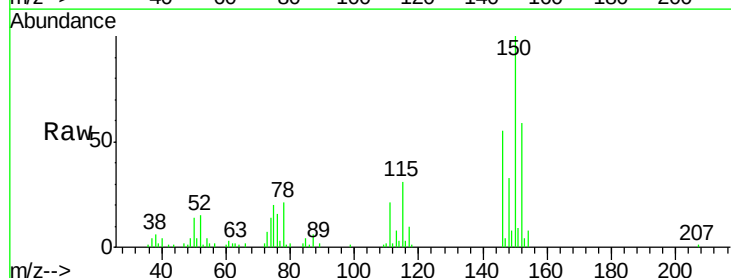
Manual Integrations
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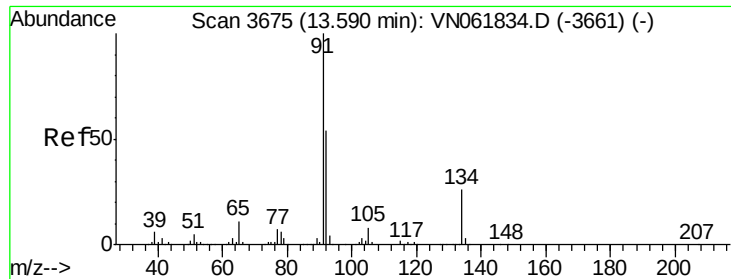
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#88
 1,4-Dichlorobenzene
 Concen: 5.224 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	19.3	57.8
148	65.0	31.6	94.7





#89

n-Butylbenzene

Concen: 4.289 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Instrument :

MSVOA_N

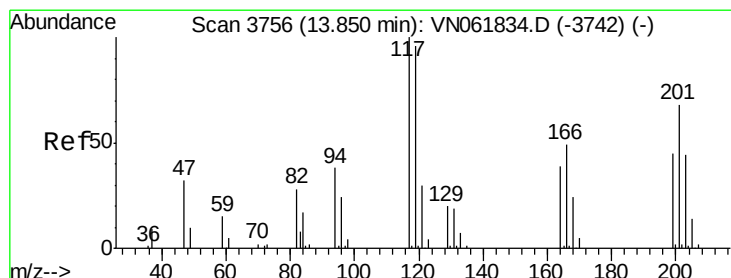
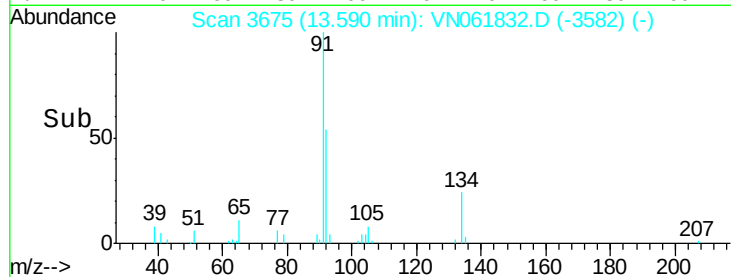
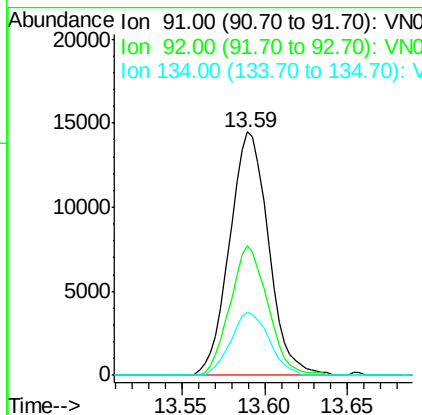
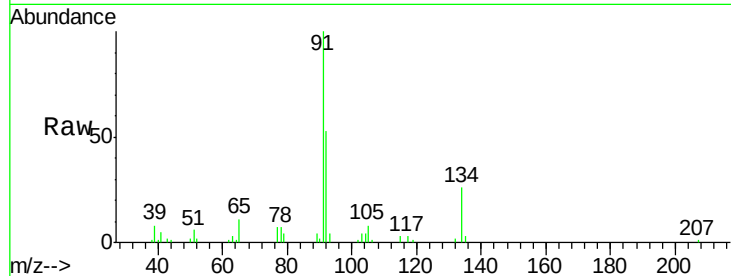
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	23621
Ion	Ratio	Lower	Upper
91	100		
92	51.8	27.0	80.8
134	25.5	13.0	39.0

Manual Integrations
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#90

Hexachloroethane

Concen: 7.166 ug/l

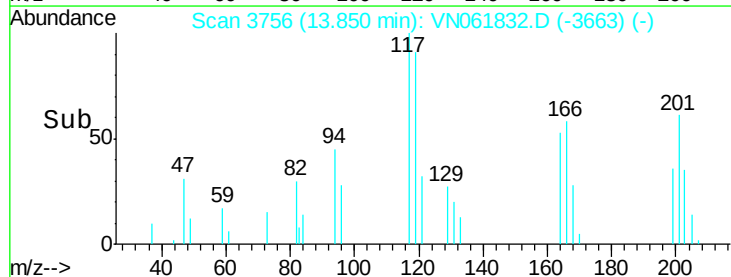
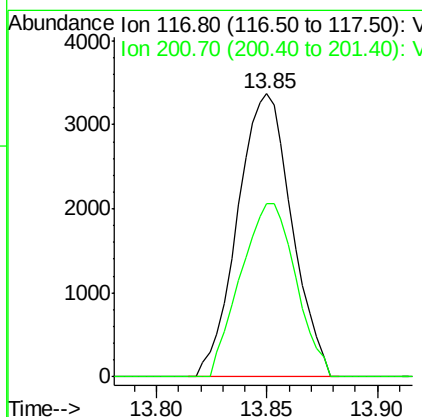
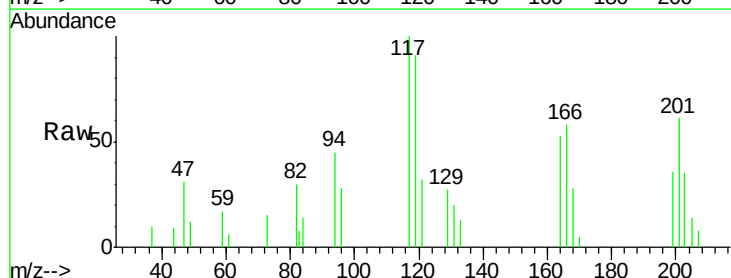
RT: 13.85 min Scan# 3756

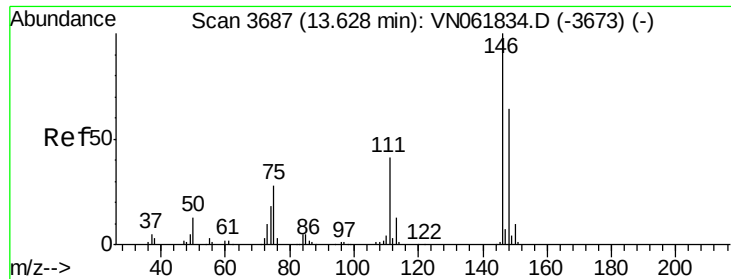
Delta R.T. -0.00 min

Lab File: VN061832.D

Acq: 16 Jun 2020 17:50

Tgt Ion:	117	Resp:	5740
Ion	Ratio	Lower	Upper
117	100		
201	62.2	34.6	103.8





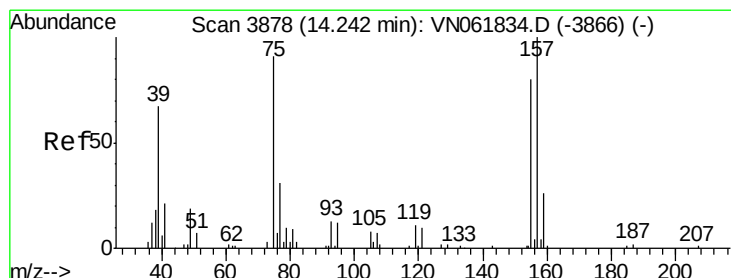
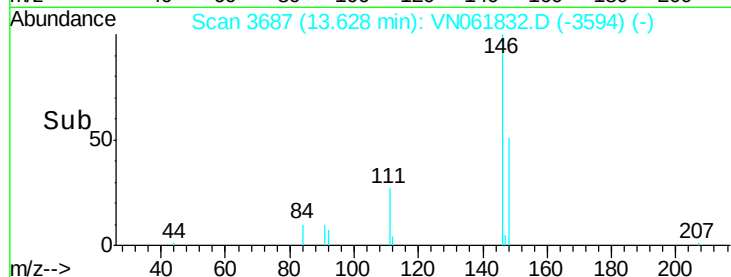
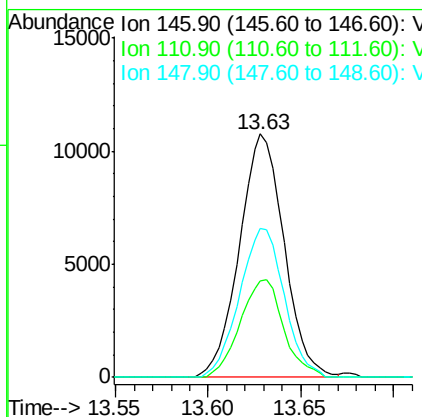
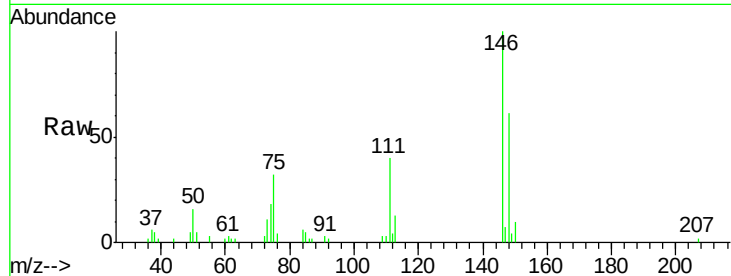
#91
 1,2-Dichlorobenzene
 Concen: 5.516 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.4	61.2
148	61.2	31.8	95.4

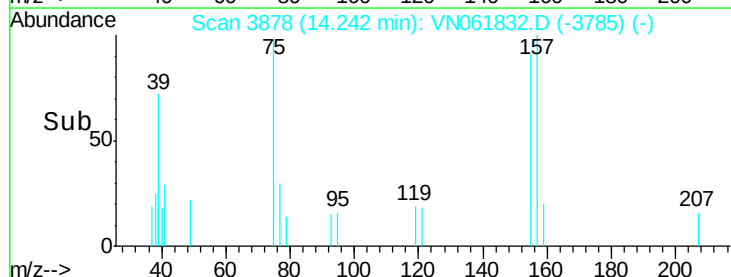
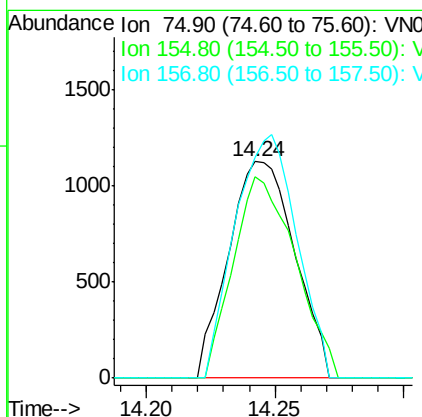
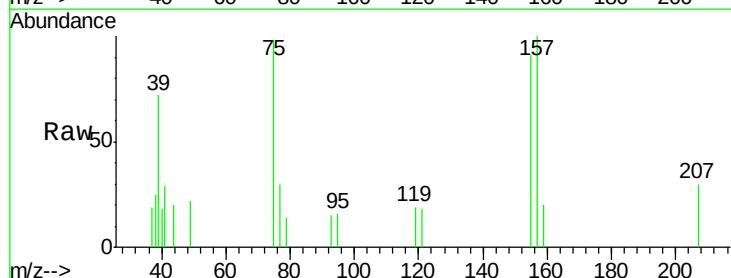
Manual Integrations
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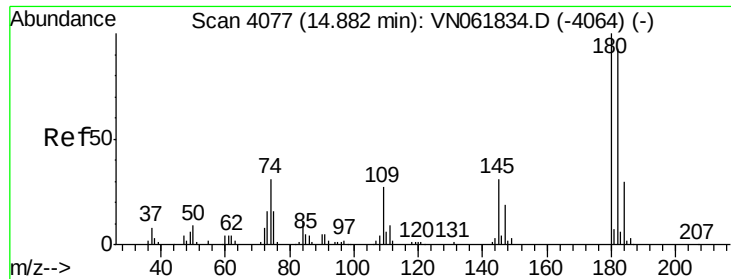
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.701 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	44.4	133.2
157	105.1	57.0	171.2





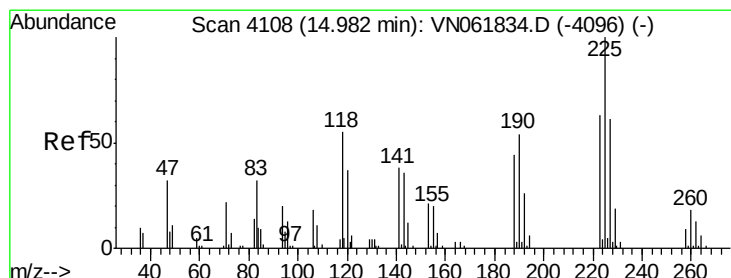
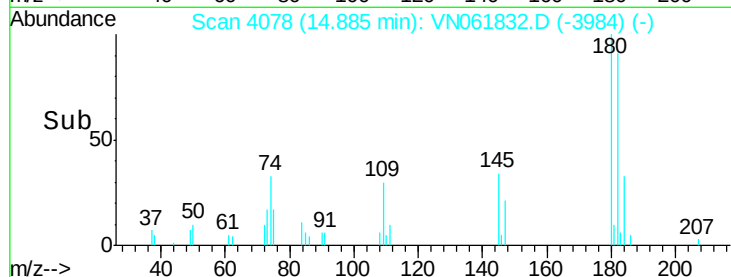
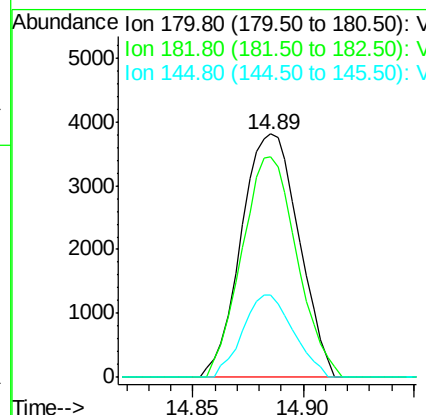
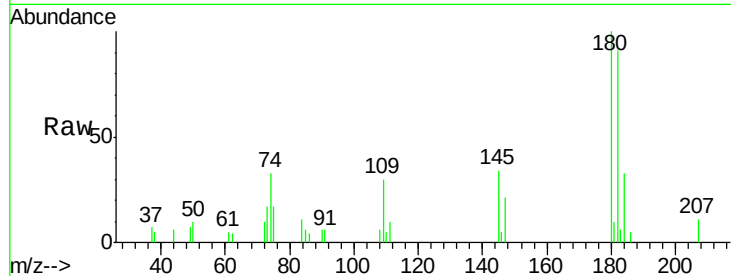
#93
 1,2,4-Trichlorobenzene
 Concen: 3.717 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.7	47.0	141.2
145	29.8	15.8	47.3

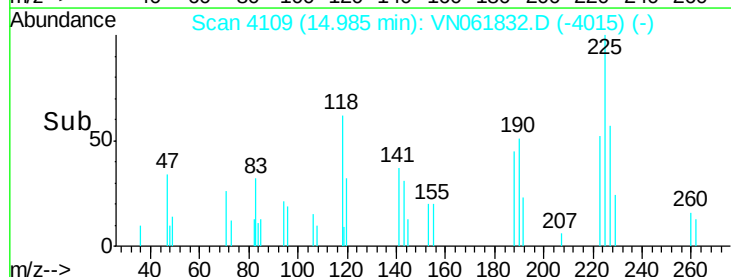
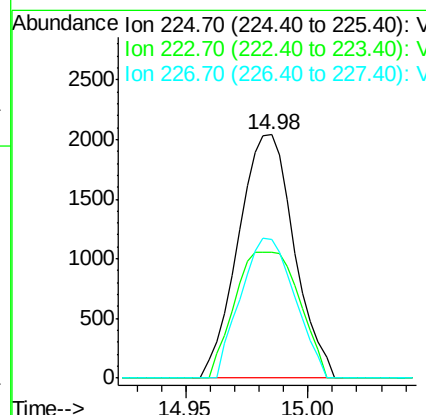
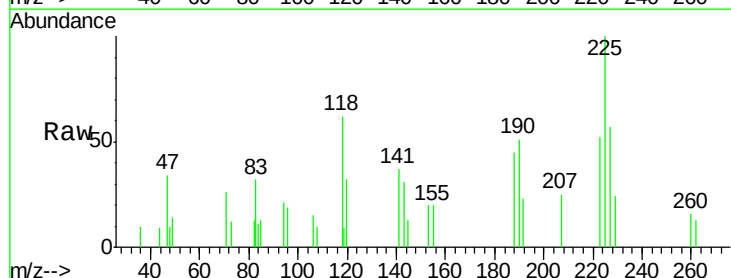
Manual Integrations
 APPROVED

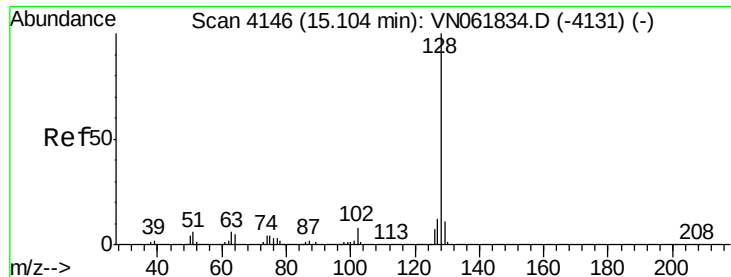
MMDadoda
 6/17/2020 3:44:52 PM



#94
 Hexachlorobutadiene
 Concen: 4.106 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061832.D
 Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.7	95.1
227	55.5	30.1	90.3





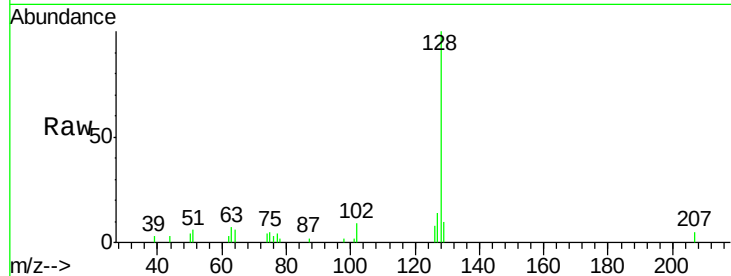
#95
Naphthalene
Concen: 3.182 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/17/2020 3:44:52 PM

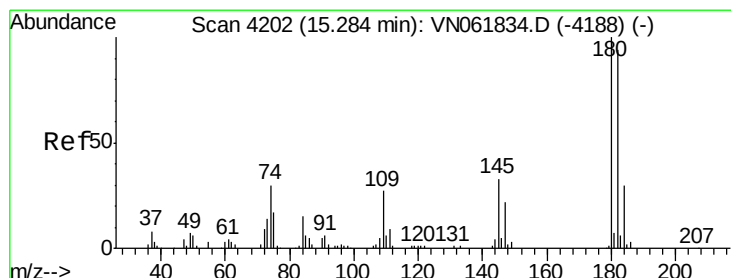
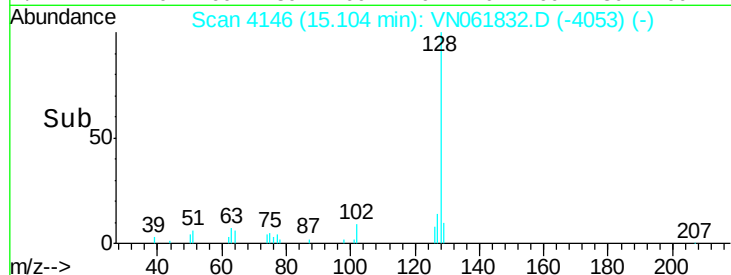
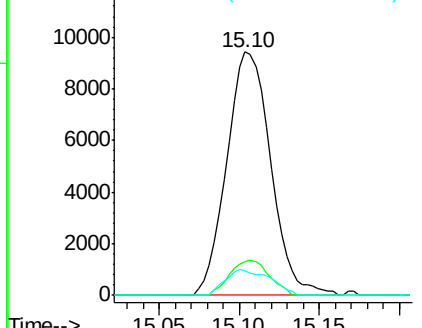


Abundance

Ion 128.00 (127.70 to 128.70): V

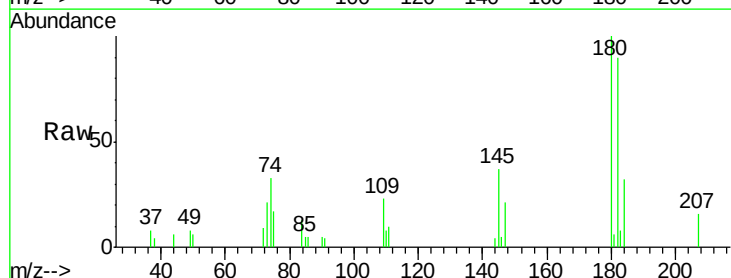
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.611 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061832.D
Acq: 16 Jun 2020 17:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.6
145	33.1	16.5	49.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

