

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060220\
 Data File : VN061624.D
 Acq On : 2 Jun 2020 17:13
 Operator : JC/MD
 Sample : VN0602MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/3/2020 11:32:30 AM

Quant Time: Jun 03 03:45:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	360540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	621915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	581072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	278534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	230933	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
35) Dibromofluoromethane	7.55	113	179122	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	
50) Toluene-d8	10.06	98	766914	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.37	95	280324	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	81759	20.338	ug/l	98
3) Chloromethane	2.03	50	83492	18.987	ug/l	97
4) Vinyl Chloride	2.16	62	115308	19.135	ug/l	99
5) Bromomethane	2.54	94	69655	20.144	ug/l	96
6) Chloroethane	2.67	64	70888	18.276	ug/l	100
7) Trichlorofluoromethane	2.98	101	134002	17.244	ug/l	98
8) Diethyl Ether	3.37	74	42731	17.983	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	66162	19.187	ug/l	99
10) Methyl Iodide	3.91	142	91534	19.122	ug/l	100
11) Tert butyl alcohol	4.73	59	56277	98.496	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	67676	18.370	ug/l	96
13) Acrolein	3.57	56	19191	97.218	ug/l	95
14) Allyl chloride	4.27	41	84428	17.529	ug/l	97
15) Acrylonitrile	4.93	53	142265	89.206	ug/l	99
16) Acetone	3.77	43	115882	94.016	ug/l	97
17) Carbon Disulfide	4.01	76	152842	18.857	ug/l	97
18) Methyl Acetate	4.27	43	67226	17.288	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	234677	18.691	ug/l	96
20) Methylene Chloride	4.50	84	76991	18.628	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	76585	18.433	ug/l	87
22) Diisopropyl ether	5.91	45	196229	18.485	ug/l	98
23) Vinyl Acetate	5.84	43	729049	86.168	ug/l	98
24) 1,1-Dichloroethane	5.80	63	124026	18.425	ug/l	99
25) 2-Butanone	6.79	43	179408	88.126	ug/l	99
26) 2,2-Dichloropropane	6.78	77	118543	19.241	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	90405	19.216	ug/l	99
28) Bromochloromethane	7.15	49	48539	18.324	ug/l	95
29) Tetrahydrofuran	7.17	42	117421	87.468	ug/l	99
30) Chloroform	7.33	83	139480	18.729	ug/l	99
31) Cyclohexane	7.62	56	110789	18.300	ug/l #	94
32) 1,1,1-Trichloroethane	7.53	97	129033	19.015	ug/l	99
36) 1,1-Dichloropropene	7.75	75	100783	18.306	ug/l	99
37) Ethyl Acetate	6.88	43	74684	16.842	ug/l	95
38) Carbon Tetrachloride	7.73	117	96279	18.130	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	116453	17.161	ug/l	97
40) Benzene	8.00	78	312750	18.411	ug/l	98
41) Methacrylonitrile	7.12	41	33253	16.367	ug/l	96
42) 1,2-Dichloroethane	8.09	62	101886	17.915	ug/l	99
43) Isopropyl Acetate	8.13	43	136196	17.072	ug/l	93
44) Trichloroethene	8.80	130	98760	18.917	ug/l	96
45) 1,2-Dichloropropane	9.09	63	73523	18.227	ug/l	99
46) Dibromomethane	9.18	93	54373	17.576	ug/l	96
47) Bromodichloromethane	9.37	83	113640	18.541	ug/l	98
48) Methyl methacrylate	9.17	41	60855	16.954	ug/l	99
49) 1,4-Dioxane	9.17	88	23375	420.370	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	391207	87.017	ug/l	100
52) Toluene	10.12	92	206841	18.656	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	119082	18.035	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	127210	17.918	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	82729	18.729	ug/l	98
56) Ethyl methacrylate	10.40	69	112659	18.258	ug/l	98
57) 1,3-Dichloropropane	10.68	76	131638	18.633	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	219929	83.404	ug/l	97
59) 2-Hexanone	10.72	43	275681	85.384	ug/l	99
60) Dibromochloromethane	10.87	129	91516	18.224	ug/l	100
61) 1,2-Dibromoethane	10.98	107	86848	18.851	ug/l	98
64) Tetrachloroethene	10.60	164	105625	19.311	ug/l	99
65) Chlorobenzene	11.41	112	231027	19.127	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	84907	18.879	ug/l	99
67) Ethyl Benzene	11.48	91	399768	19.150	ug/l	98
68) m/p-Xylenes	11.60	106	317052	38.303	ug/l	98
69) o-Xylene	11.92	106	151595	19.282	ug/l	99
70) Styrene	11.94	104	249077	19.131	ug/l	99
71) Bromoform	12.10	173	59443	17.153	ug/l #	100
73) Isopropylbenzene	12.22	105	399586	19.656	ug/l	100
74) N-amyl acetate	12.04	43	113850	17.783	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	105644	18.544	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	91112m	17.989	ug/l	
77) Bromobenzene	12.50	156	100143	19.298	ug/l	99
78) n-propylbenzene	12.57	91	438047	19.301	ug/l	99
79) 2-Chlorotoluene	12.65	91	259606	19.184	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	328286	19.321	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	33181	16.753	ug/l	96
82) 4-Chlorotoluene	12.75	91	267995	18.824	ug/l	100
83) tert-Butylbenzene	12.97	119	280615	18.692	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	333107	19.734	ug/l	100
85) sec-Butylbenzene	13.15	105	356990	18.454	ug/l	100
86) p-Isopropyltoluene	13.26	119	334292	18.764	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	174249	18.963	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	175309	18.727	ug/l	97
89) n-Butylbenzene	13.59	91	265667	17.804	ug/l	99
90) Hexachloroethane	13.85	117	34815	17.671	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	175650	20.002	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19427	16.721	ug/l	99

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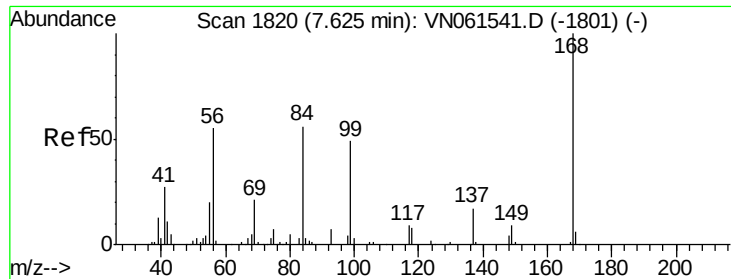
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	92441	17.999	ug/l	99
94) Hexachlorobutadiene	14.99	225	34864	15.917	ug/l	99
95) Naphthalene	15.10	128	292310	18.699	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	93665	18.549	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: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampled :

VN0602MBSD01

Tot Ion:168 Resp: 360540

Ion Ratio Lower Upper

168 100

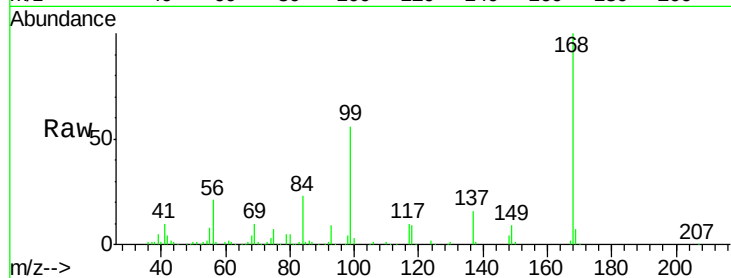
99 55.9 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

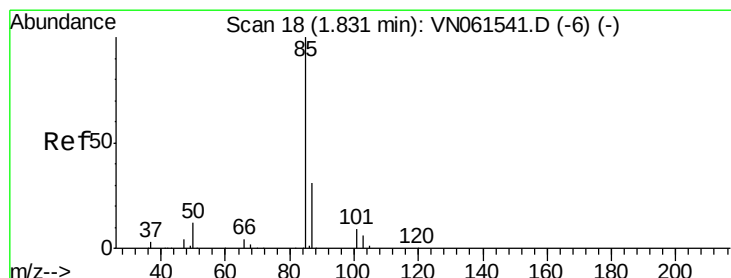
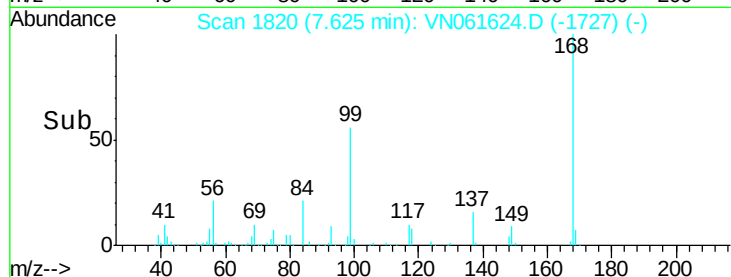
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 20.338 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061624.D

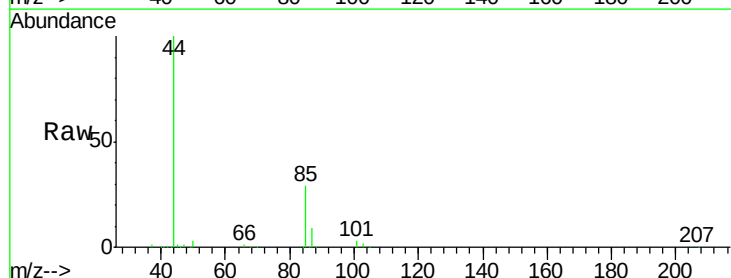
Acq: 2 Jun 2020 17:13

Tgt Ion: 85 Resp: 81759

Ion Ratio Lower Upper

85 100

87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

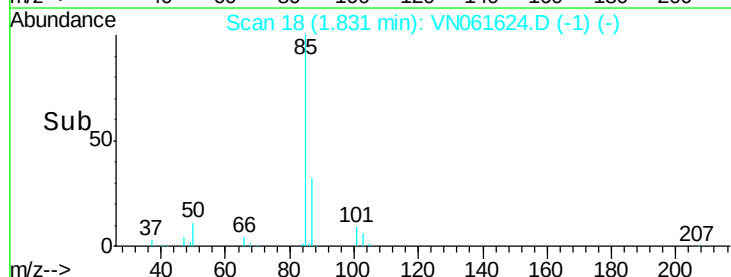
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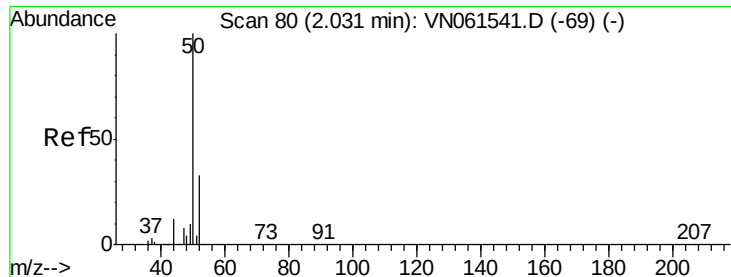
40000

20000

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Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.987 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 50 Resp: 83492

Ion Ratio Lower Upper

50 100

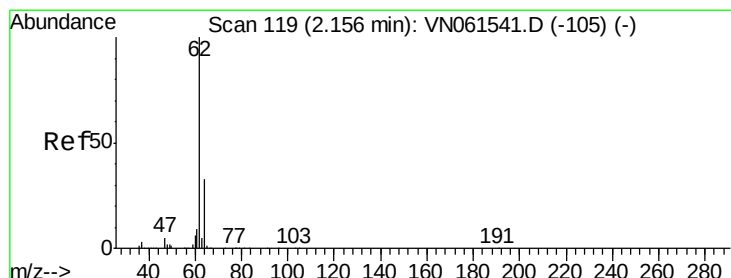
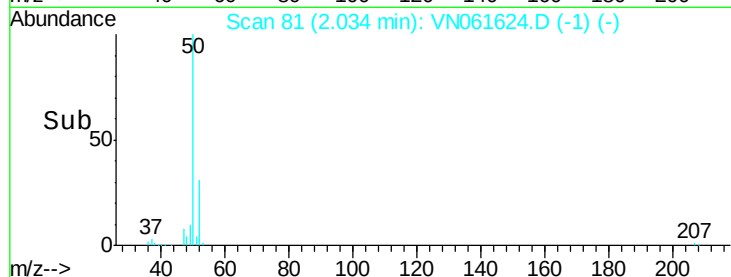
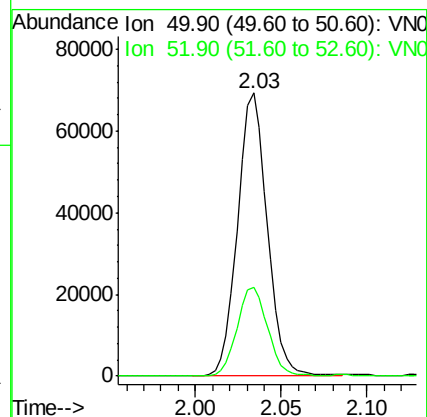
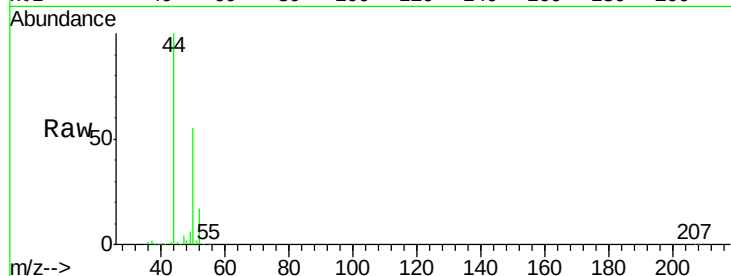
52 31.4 26.7 40.1

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#4

Vinyl Chloride

Concen: 19.135 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061624.D

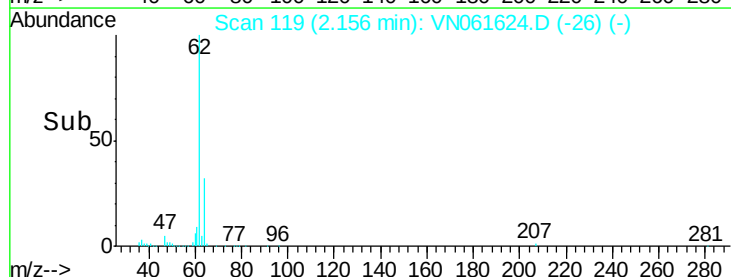
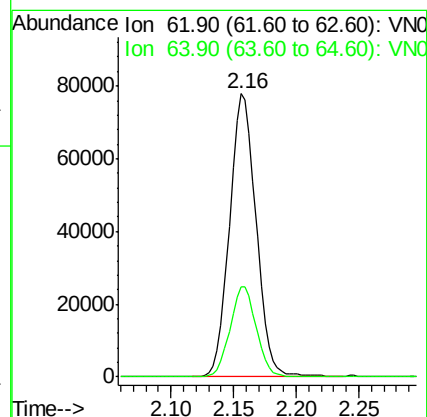
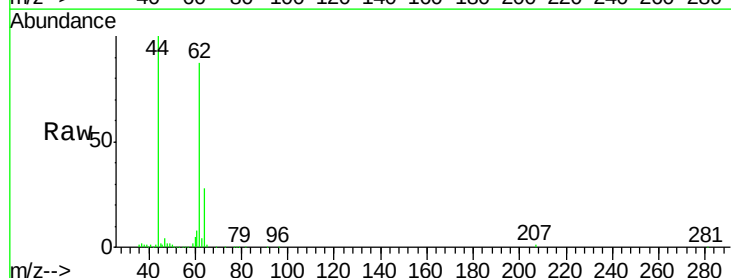
Acq: 2 Jun 2020 17:13

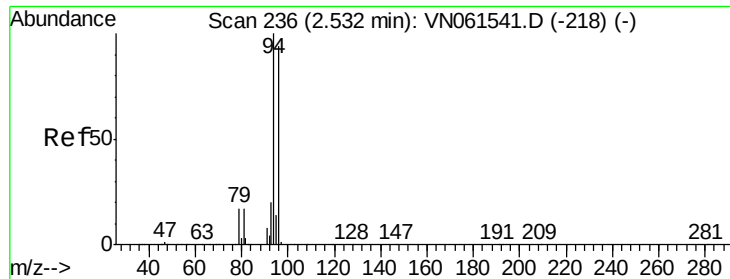
Tgt Ion: 62 Resp: 115308

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 20.144 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 94 Resp: 69655

Ion Ratio Lower Upper

94 100

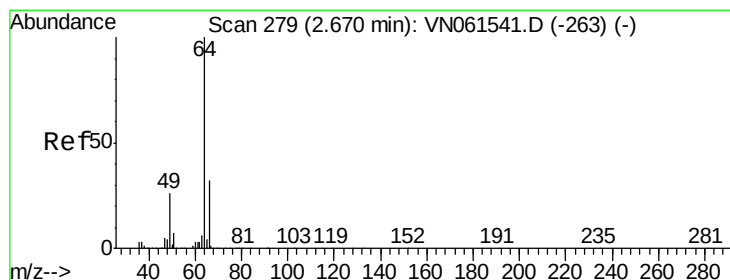
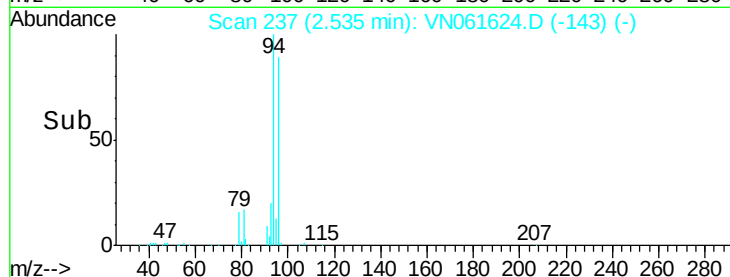
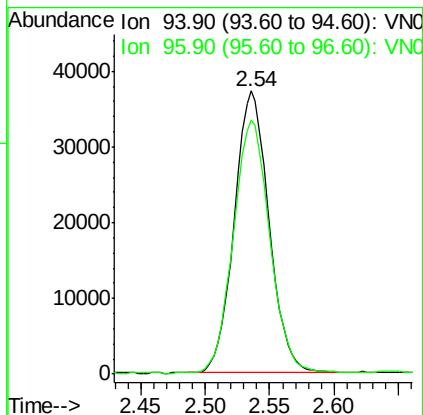
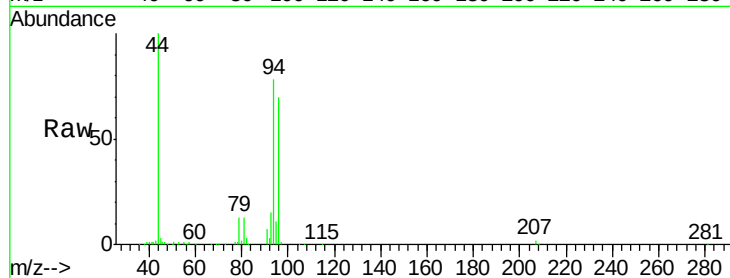
96 89.7 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 18.276 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061624.D

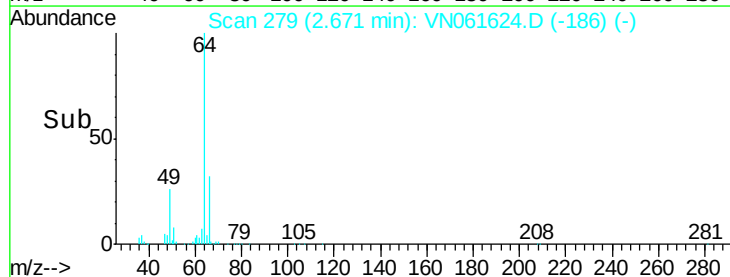
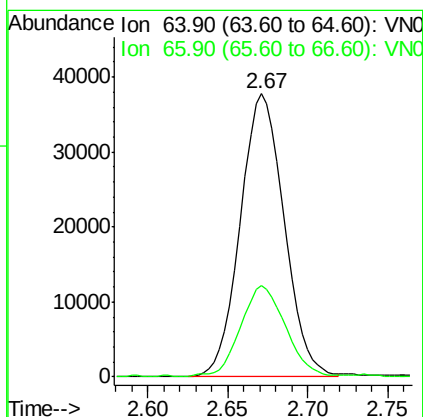
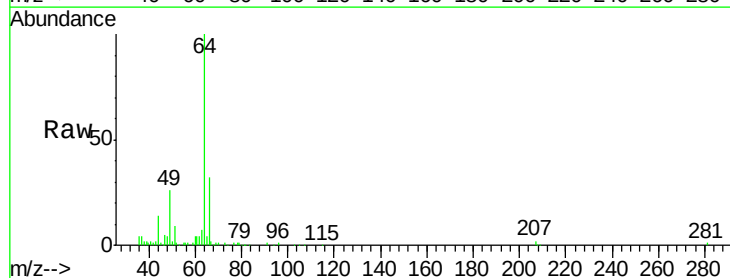
Acq: 2 Jun 2020 17:13

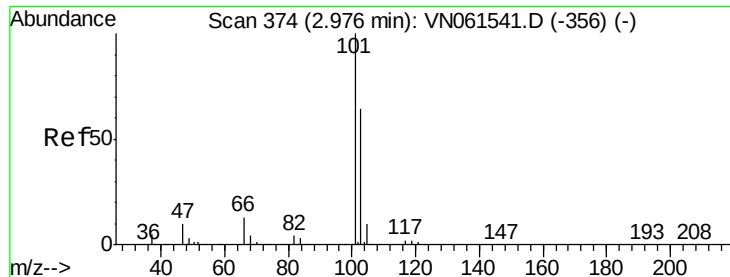
Tgt Ion: 64 Resp: 70888

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4





#7

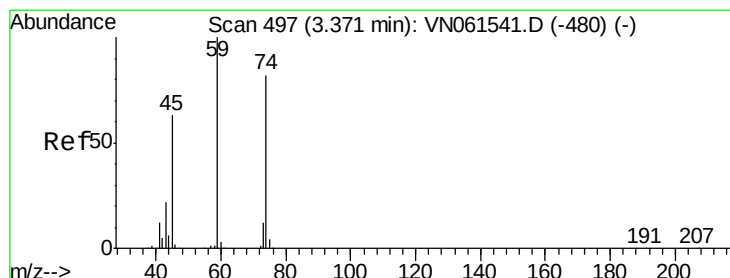
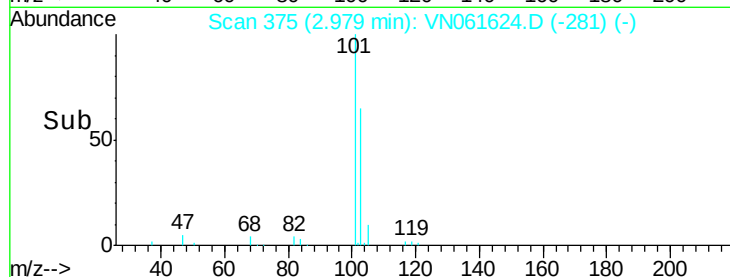
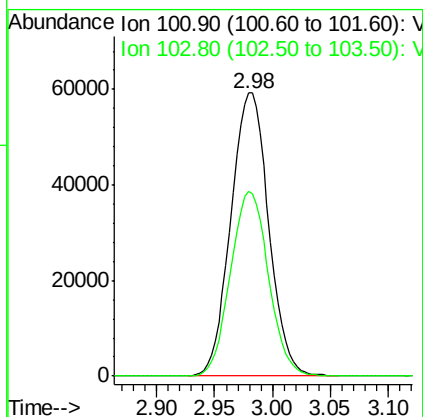
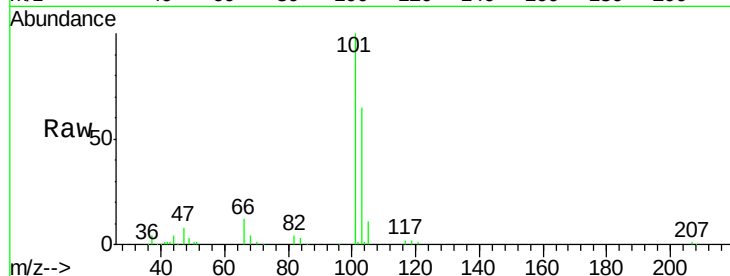
Trichlorofluoromethane
 Concen: 17.244 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
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 ClientSampleId :
 VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

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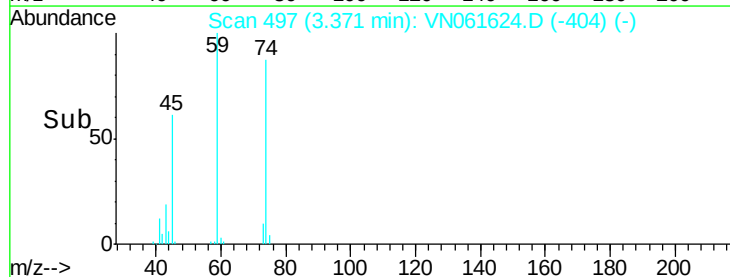
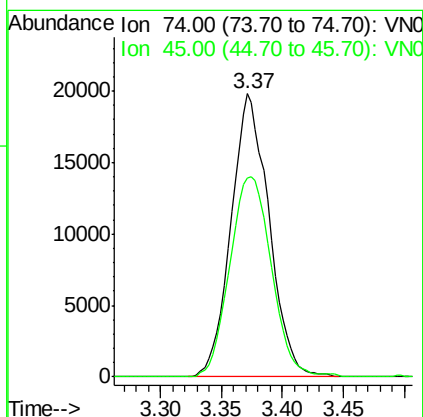
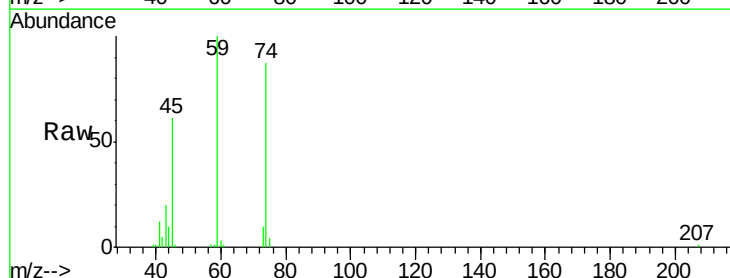
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 6/3/2020 11:32:30 AM

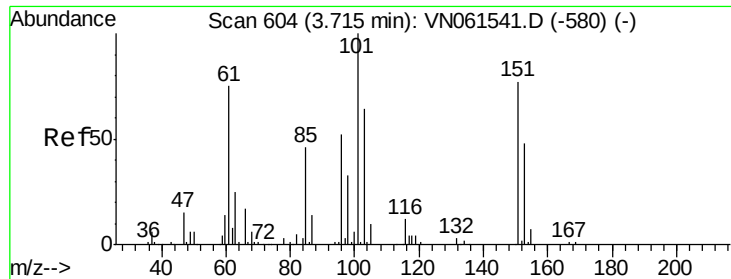


#8

Diethyl Ether
 Concen: 17.983 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.7	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.187 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

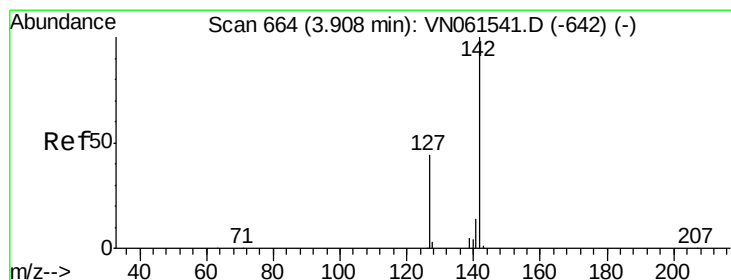
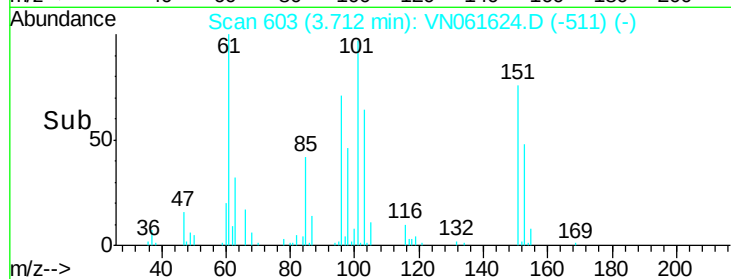
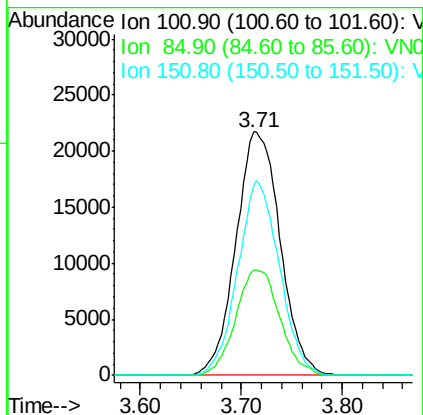
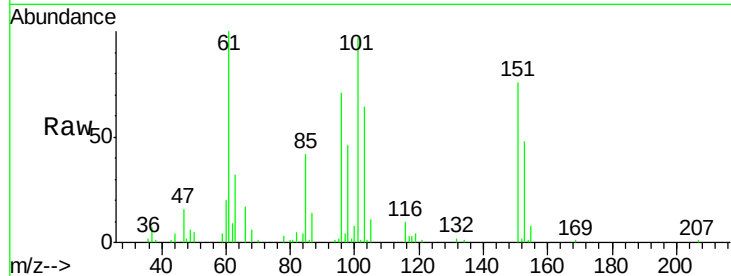
ClientSampleId :

VN0602MBSD01

Tot Ion:	101	Resp:	66162
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.2	52.8
151	75.1	61.0	91.6

Manual Integrations
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6/3/2020 11:32:30 AM



#10

Methyl Iodide

Concen: 19.122 ug/l

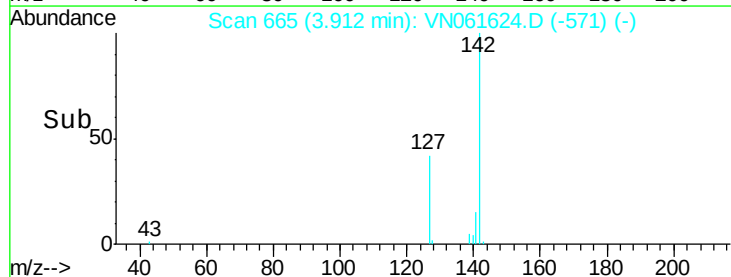
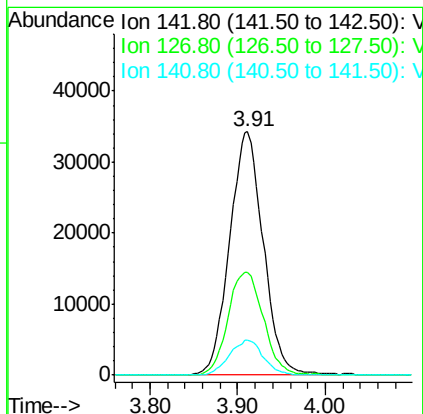
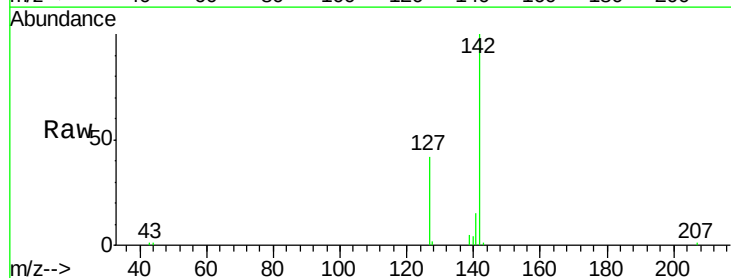
RT: 3.91 min Scan# 665

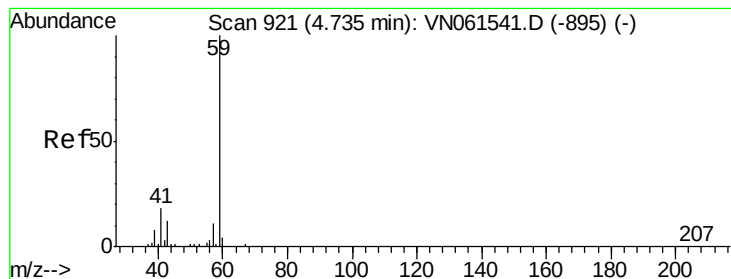
Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Tgt Ion:	142	Resp:	91534
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.5	53.3
141	14.5	11.5	17.3





#11

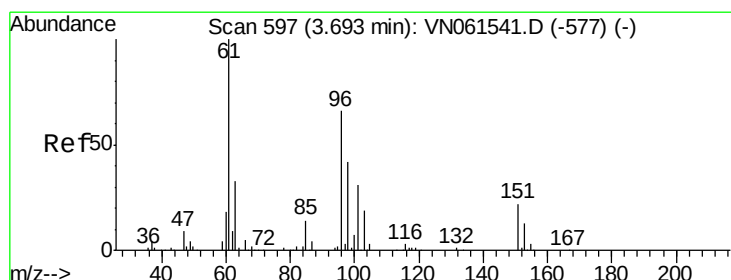
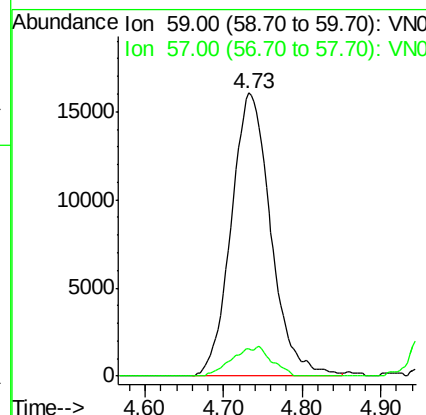
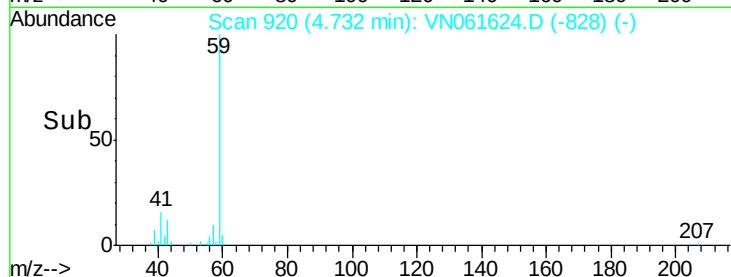
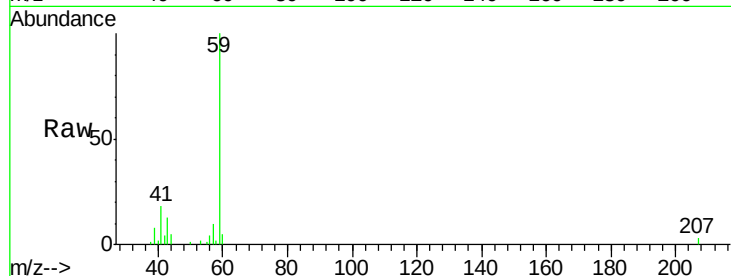
Tert butyl alcohol
 Concen: 98.496 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	56277		
57	5.3		8.4	12.6#

Manual Integrations
 APPROVED

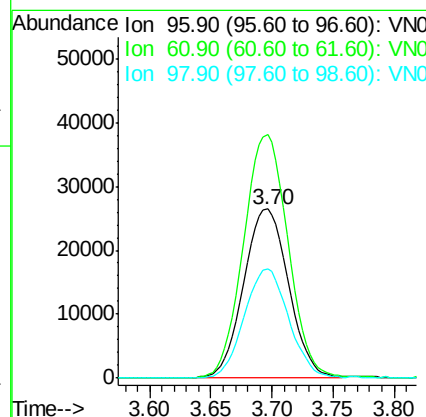
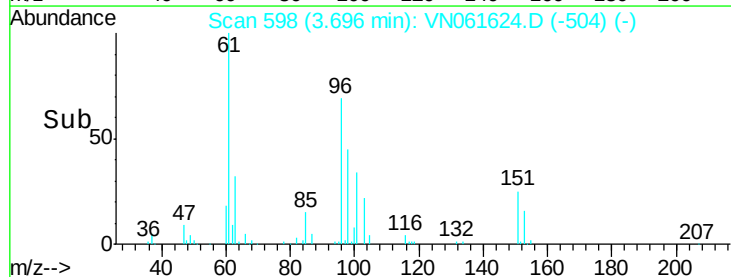
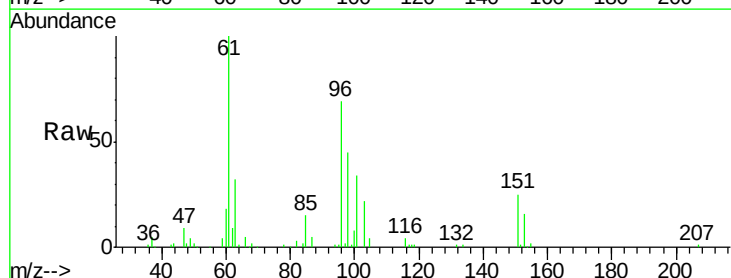
MMDadoda
 6/3/2020 11:32:30 AM

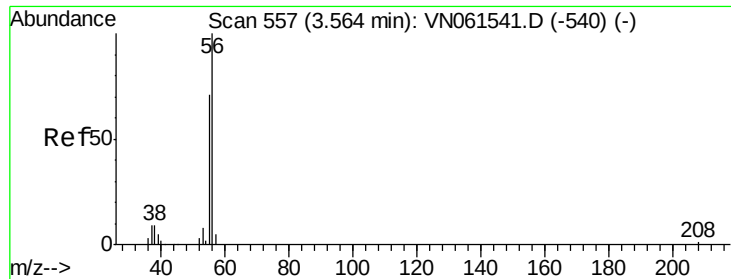


#12

1,1-Dichloroethene
 Concen: 18.370 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	67676		
61	144.2		120.5	180.7
98	65.1		50.8	76.2





#13

Acrolein

Concen: 97.218 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 56 Resp: 19191

Ion Ratio Lower Upper

56 100

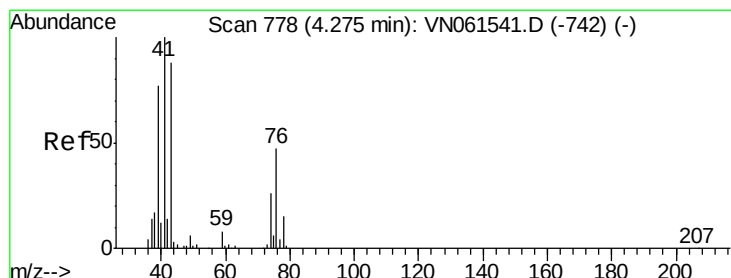
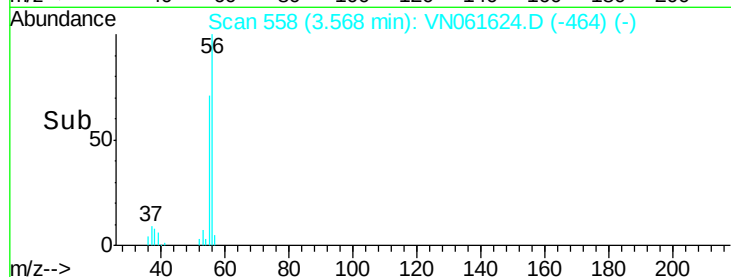
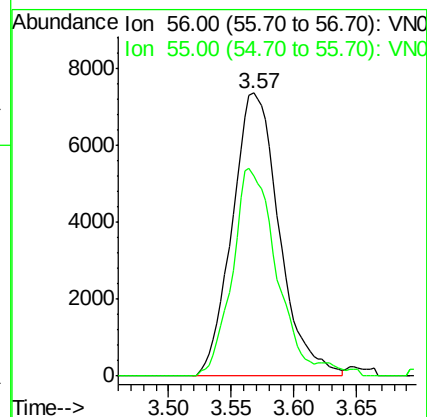
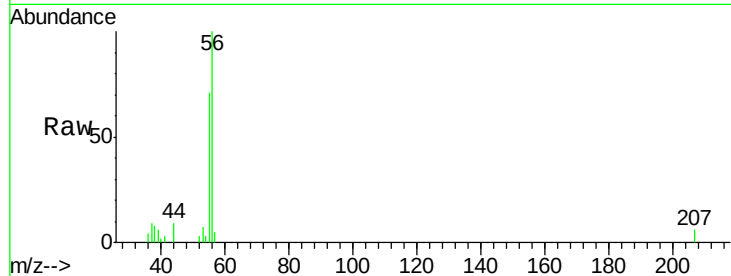
55 68.3 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 17.529 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

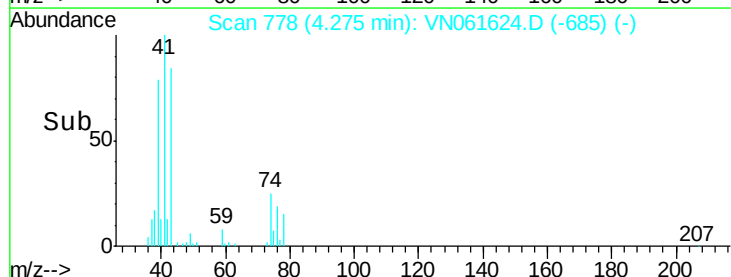
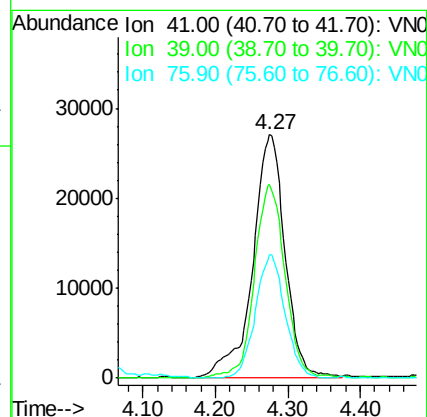
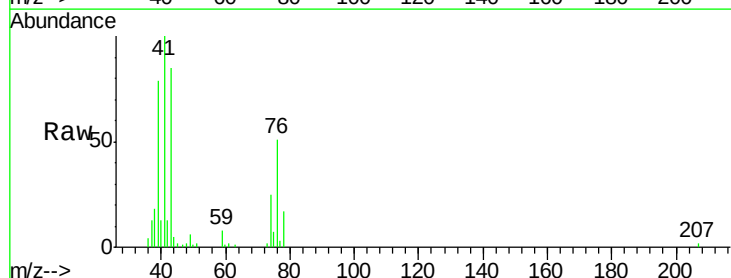
Tgt Ion: 41 Resp: 84428

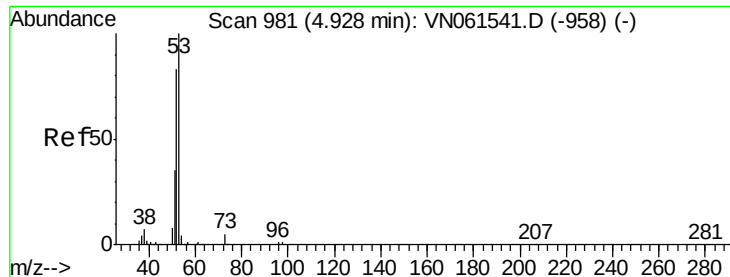
Ion Ratio Lower Upper

41 100

39 74.6 58.6 88.0

76 46.0 34.2 51.4





#15

Acrylonitrile

Concen: 89.206 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

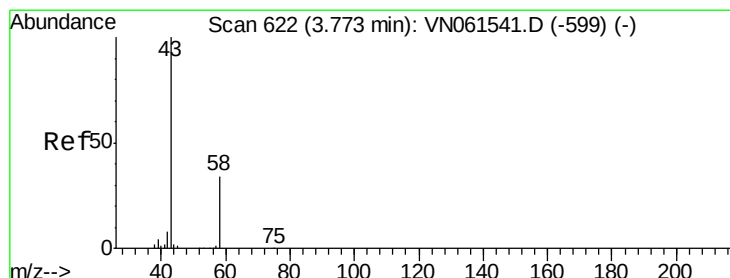
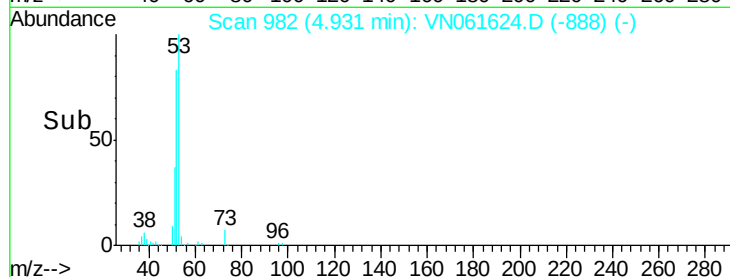
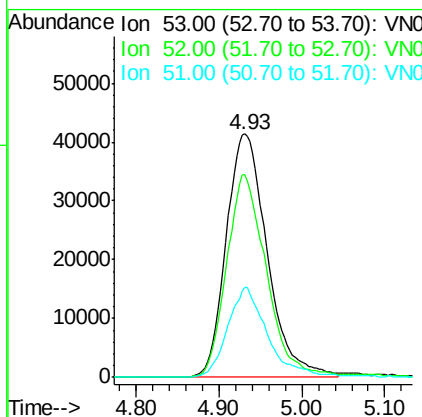
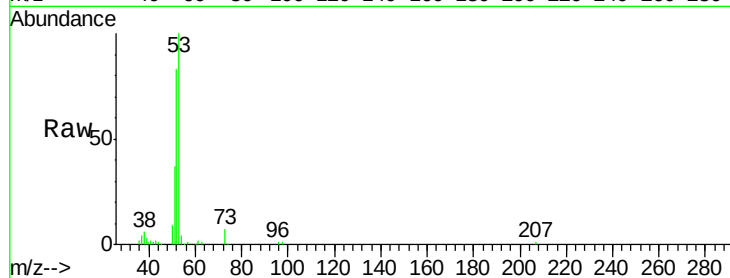
ClientSampleId :

VN0602MBSD01

Tot Ion:	53	Resp:	142265
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.4	98.2
51	35.3	29.0	43.6

Manual Integrations
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6/3/2020 11:32:30 AM



#16

Acetone

Concen: 94.016 ug/l

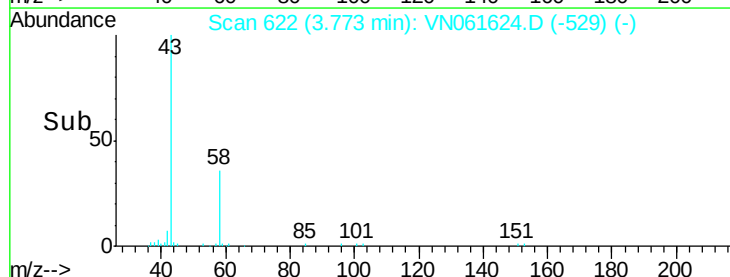
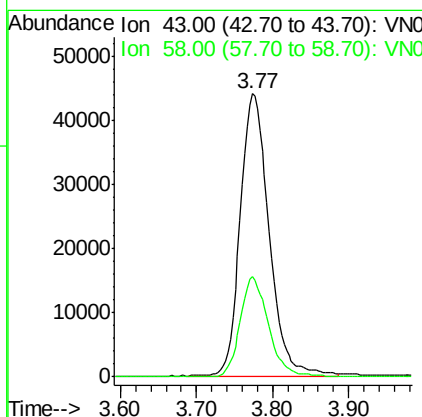
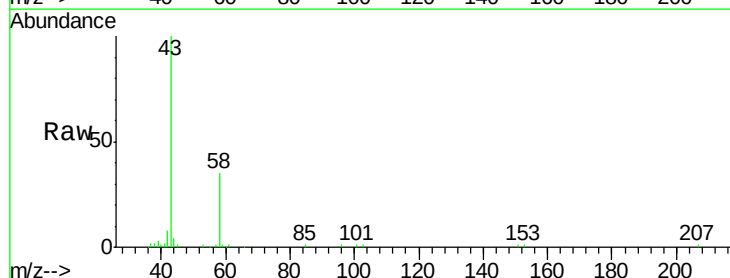
RT: 3.77 min Scan# 622

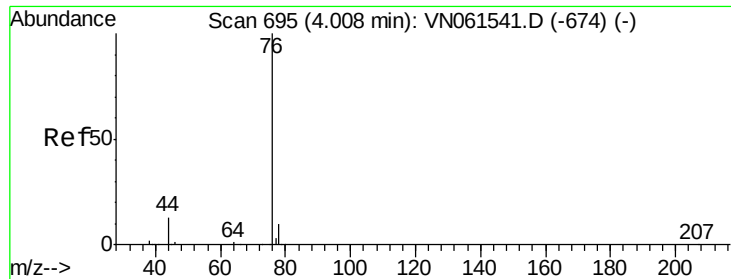
Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Tgt Ion:	43	Resp:	115882
Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.2	40.8





#17

Carbon Disulfide

Concen: 18.857 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion: 76 Resp: 152842

Ion Ratio Lower Upper

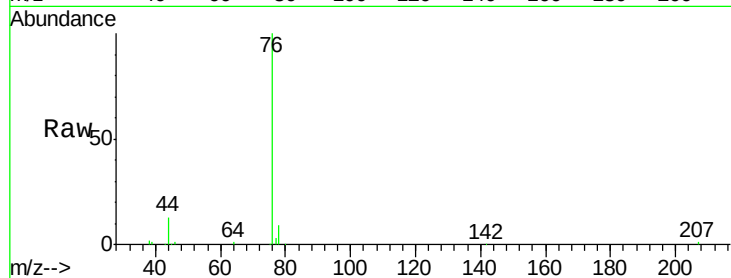
76 100

78 8.7 7.8 11.6

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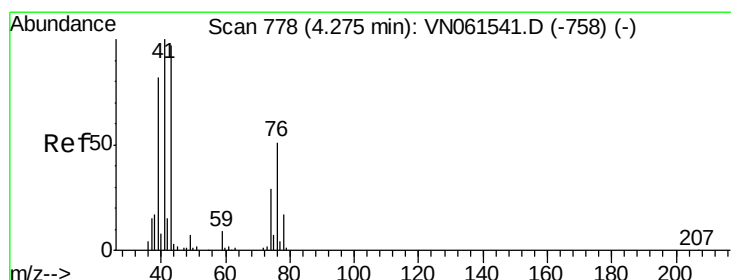
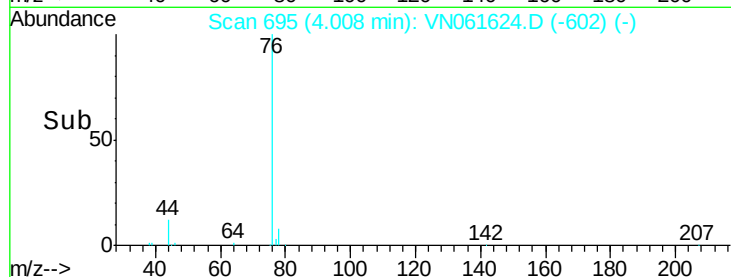
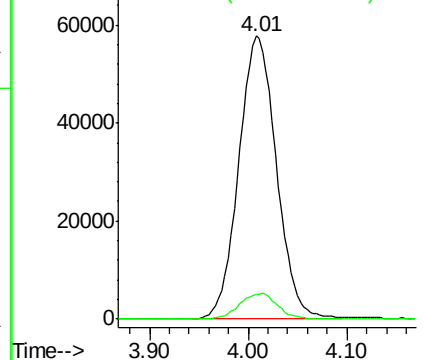
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6/3/2020 11:32:30 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.288 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061624.D

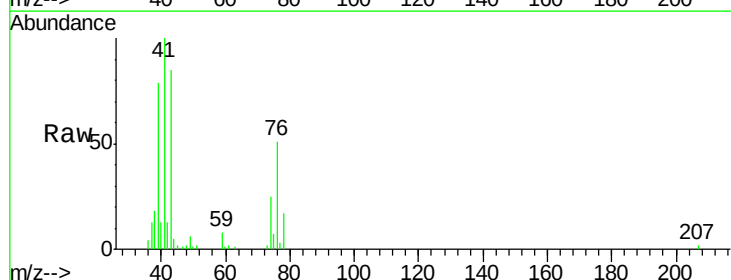
Acq: 2 Jun 2020 17:13

Tgt Ion: 43 Resp: 67226

Ion Ratio Lower Upper

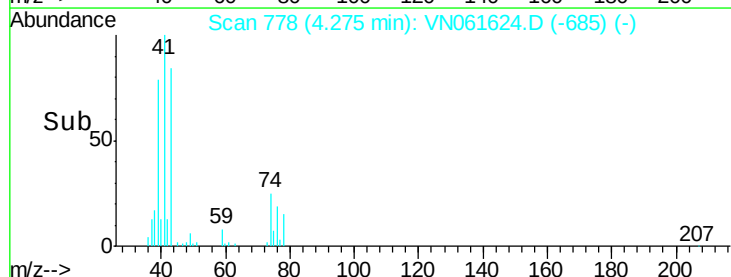
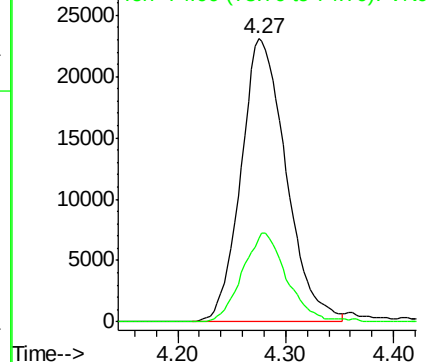
43 100

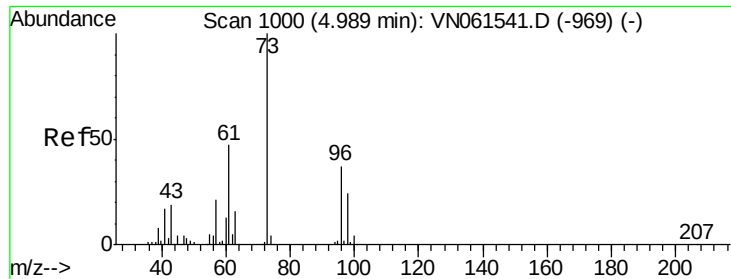
74 30.5 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





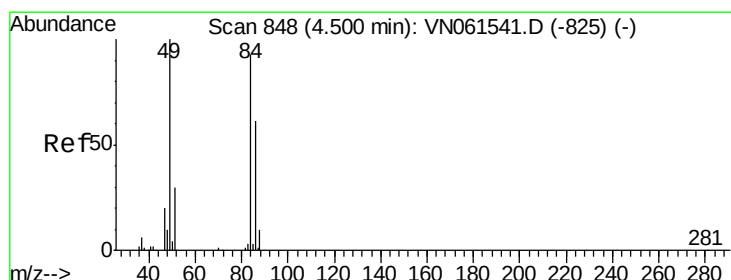
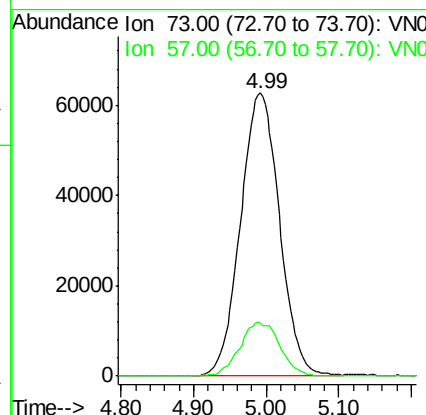
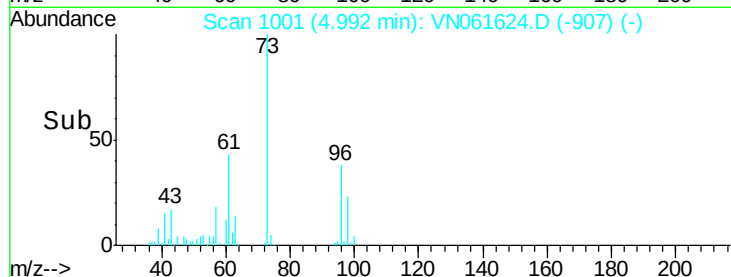
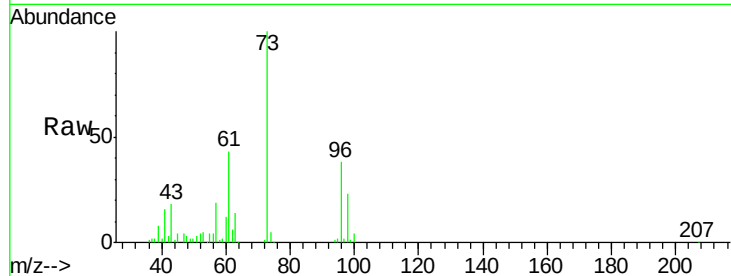
#19
Methvl tert-butyl Ether
Concen: 18.691 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0602MBS01

Tot Ion: 73 Resp: 234677
Ion Ratio Lower Upper
73 100
57 18.8 16.4 24.6

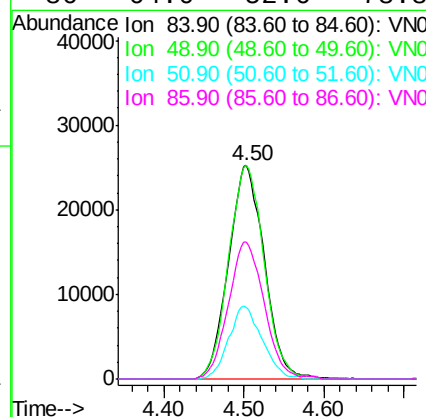
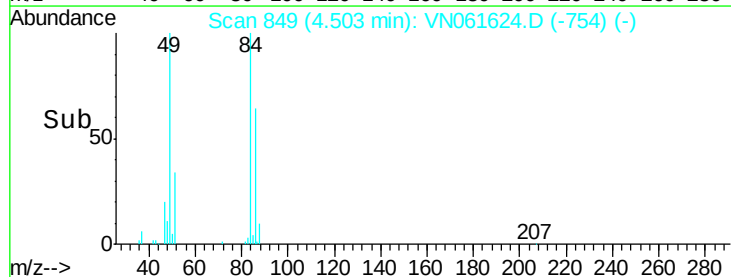
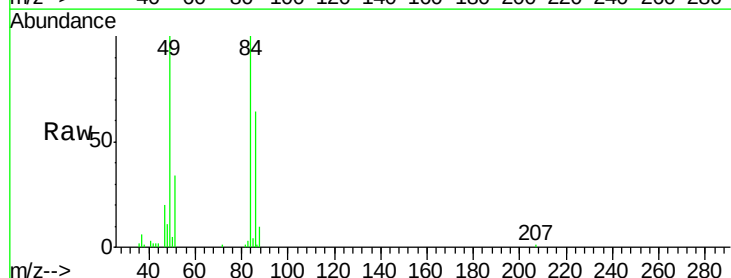
Manual Integrations
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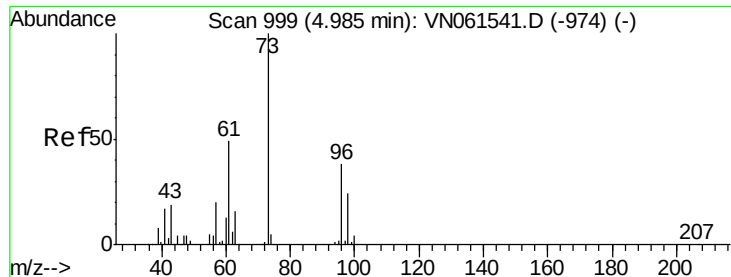
MMDadoda
6/3/2020 11:32:30 AM



#20
Methylene Chloride
Concen: 18.628 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion: 84 Resp: 76991
Ion Ratio Lower Upper
84 100
49 100.1 85.8 128.8
51 33.8 26.2 39.2
86 64.0 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 18.433 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

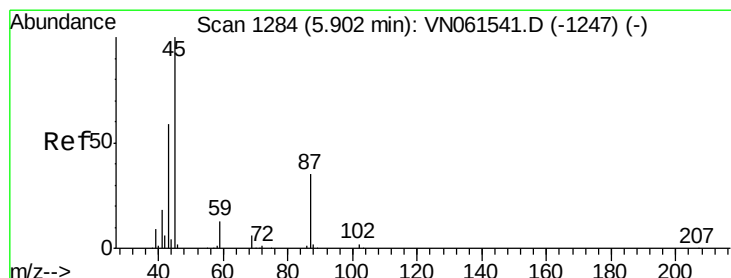
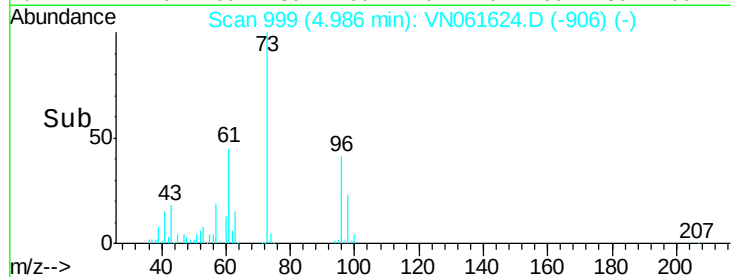
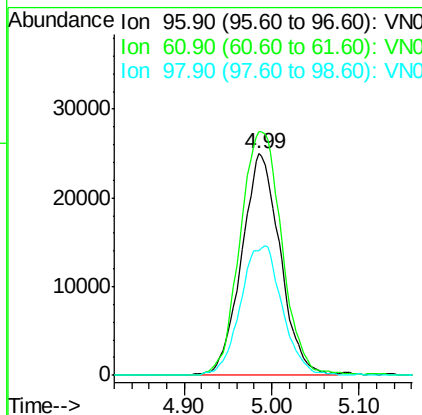
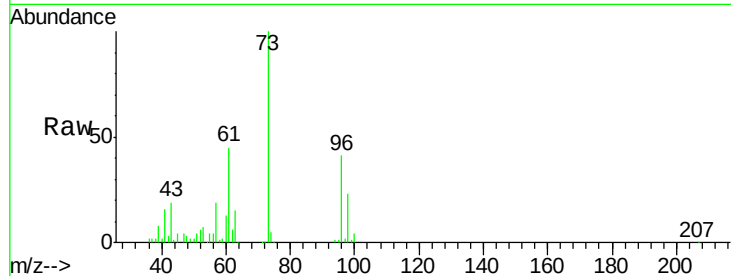
ClientSampled :

VN0602MBSD01

Tot Ion:	96	Resp:	76585
Ion	Ratio	Lower	Upper
96	100		
61	110.0	101.4	152.0
98	56.5	50.6	76.0

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#22

Diisopropyl ether

Concen: 18.485 ug/l

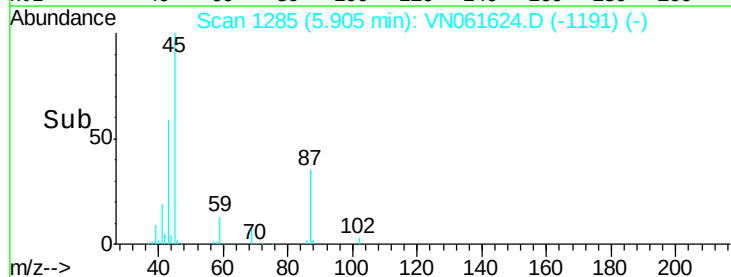
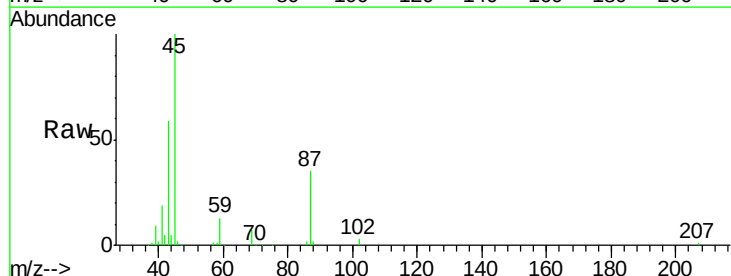
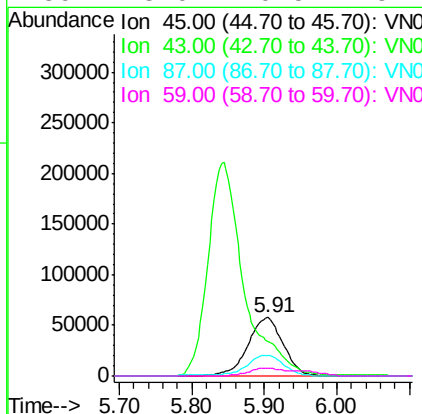
RT: 5.91 min Scan# 1285

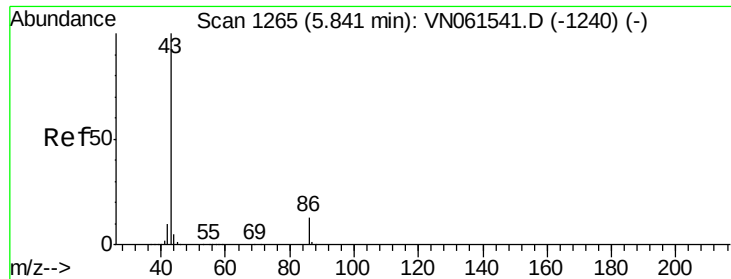
Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Tgt Ion:	45	Resp:	196229
Ion	Ratio	Lower	Upper
45	100		
43	56.9	47.9	71.9
87	35.4	28.4	42.6
59	13.0	10.5	15.7





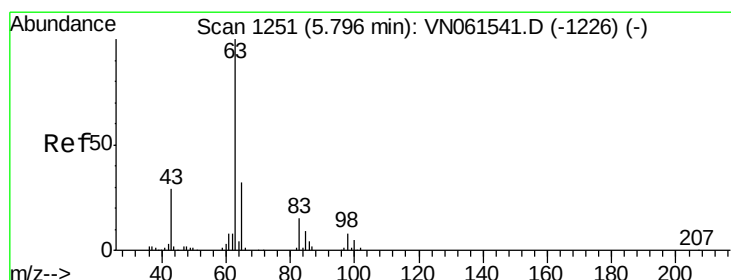
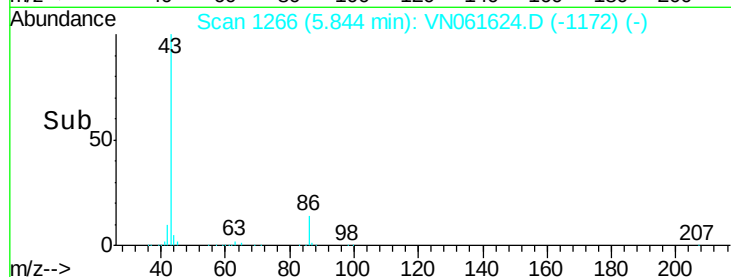
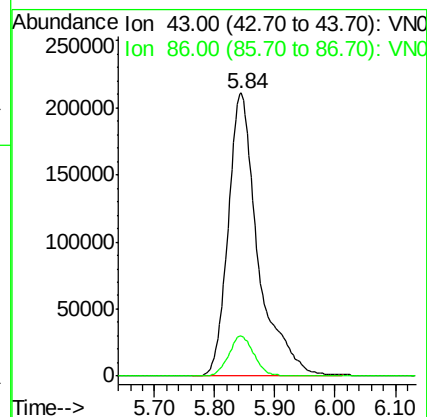
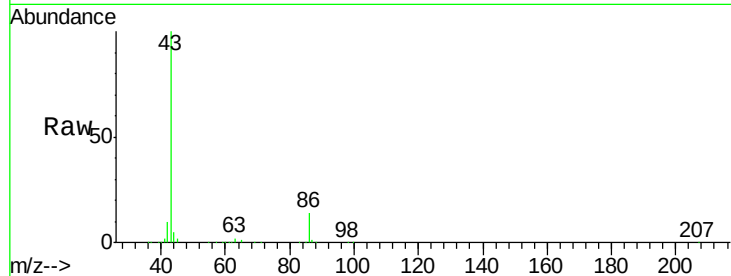
#23
 Vinyl Acetate
 Concen: 86.168 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion	43	Resp	729049
Ion Ratio	Lower	Upper	
43	100		
86	14.1	10.6	16.0

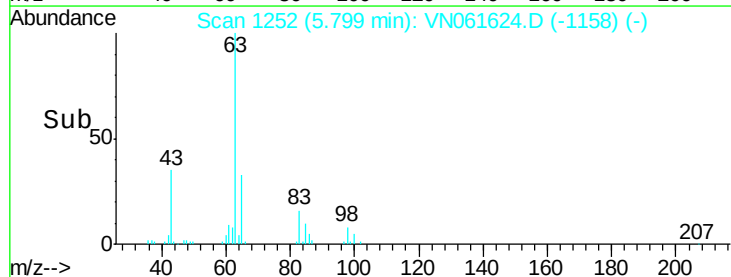
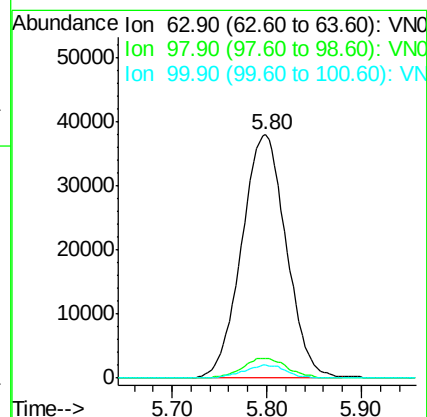
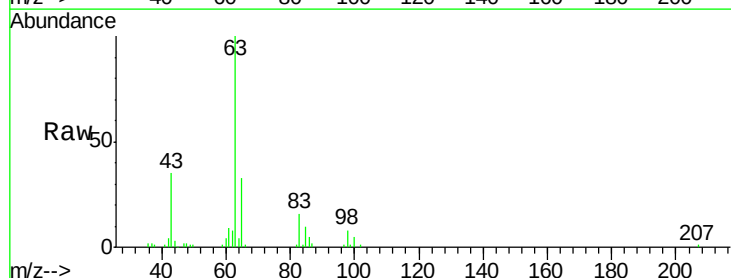
Manual Integrations
 APPROVED

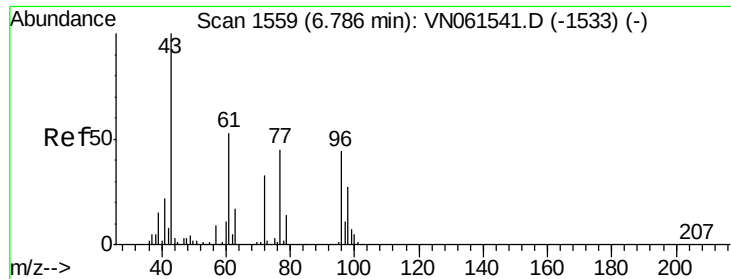
MMDadoda
 6/3/2020 11:32:30 AM



#24
 1,1-Dichloroethane
 Concen: 18.425 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	63	Resp	124026
Ion Ratio	Lower	Upper	
63	100		
98	8.1	3.8	11.4
100	5.2	2.5	7.6





#25

2-Butanone

Concen: 88.126 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampled :

VN0602MBSD01

Tot Ion: 43 Resp: 179408

Ion Ratio Lower Upper

43 100

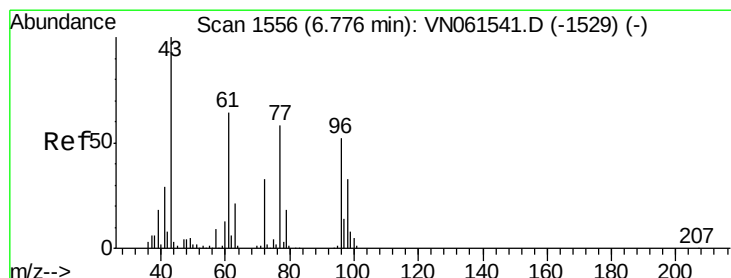
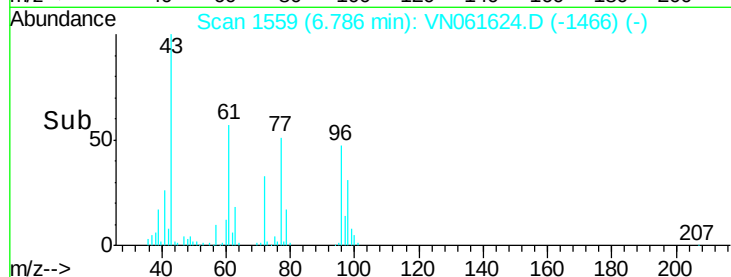
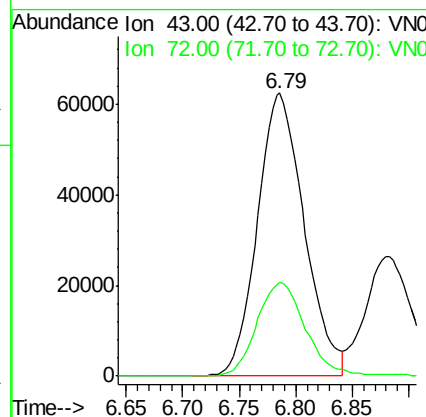
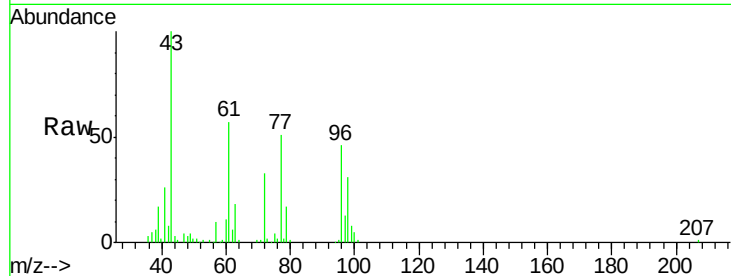
72 33.1 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

6/3/2020 11:32:30 AM



#26

2,2-Dichloropropane

Concen: 19.241 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061624.D

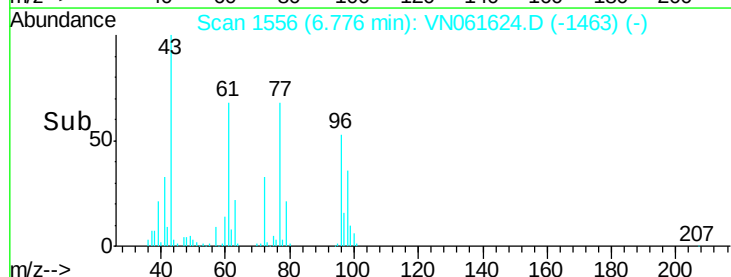
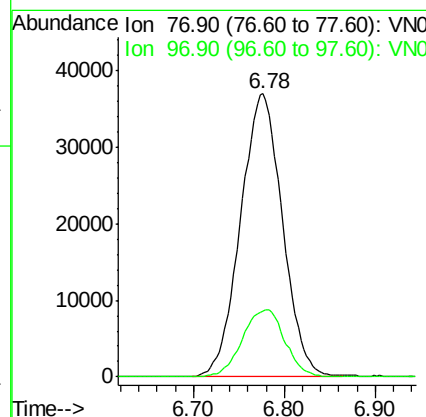
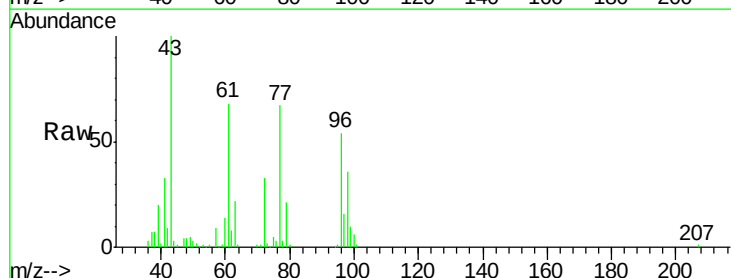
Acq: 2 Jun 2020 17:13

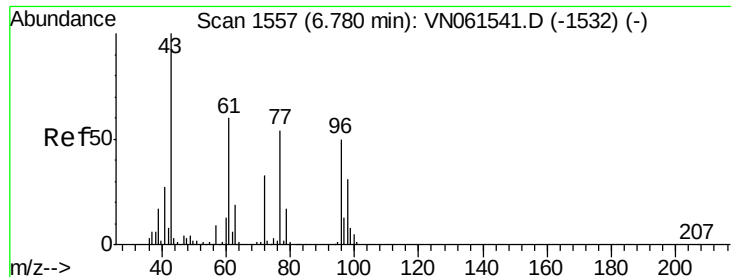
Tgt Ion: 77 Resp: 118543

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.216 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

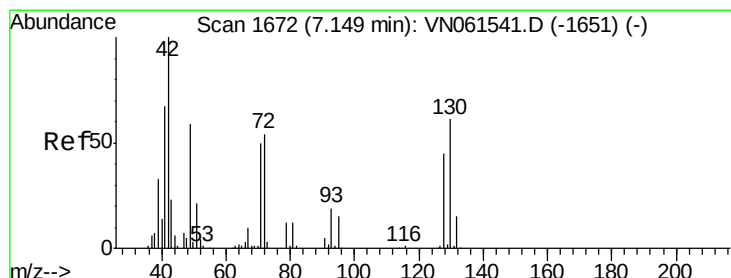
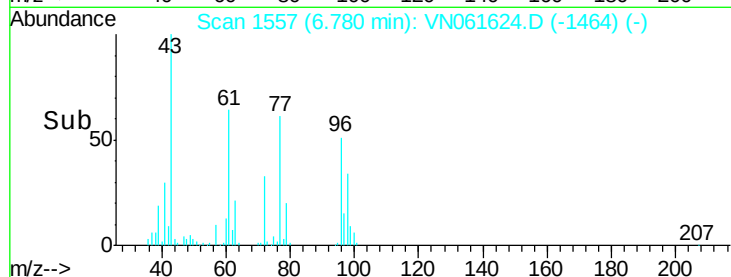
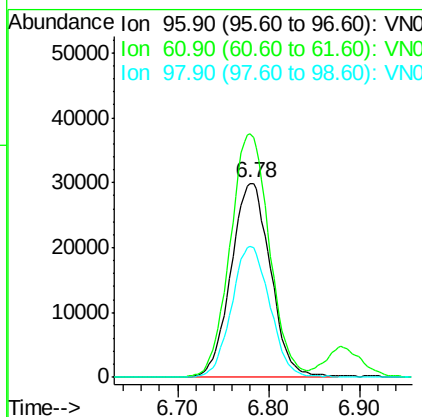
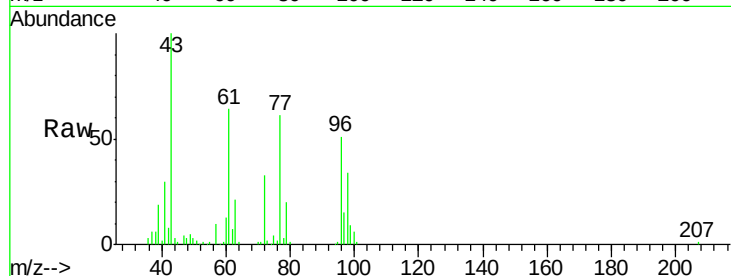
ClientSampled :

VN0602MBSD01

Tot Ion:	96	Resp:	90405
Ion	Ratio	Lower	Upper
96	100		
61	124.2	0.0	252.2
98	65.2	0.0	129.2

Manual Integrations
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MMDadoda
6/3/2020 11:32:30 AM



#28

Bromochloromethane

Concen: 18.324 ug/l

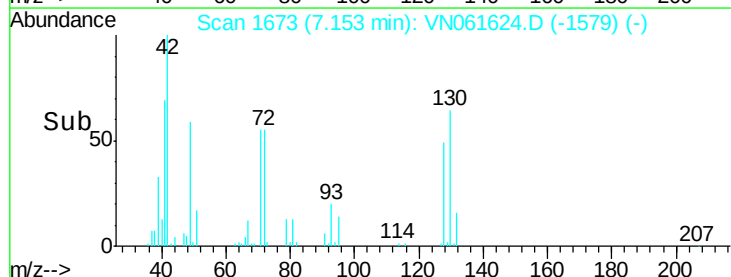
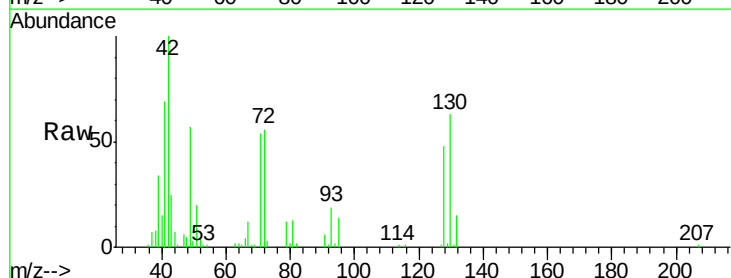
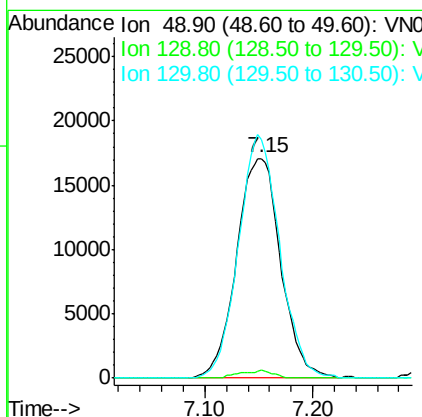
RT: 7.15 min Scan# 1673

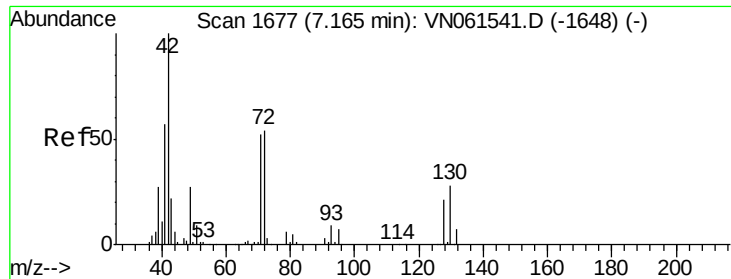
Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Tgt Ion:	49	Resp:	48539
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.8
130	103.5	78.8	118.2





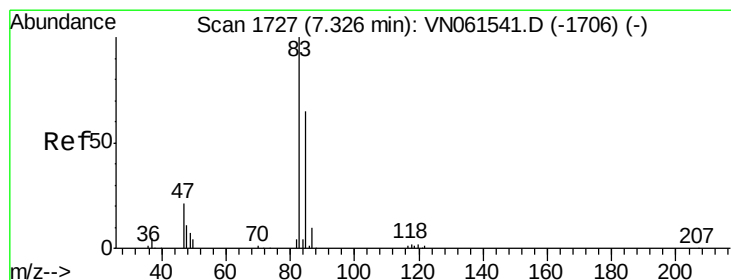
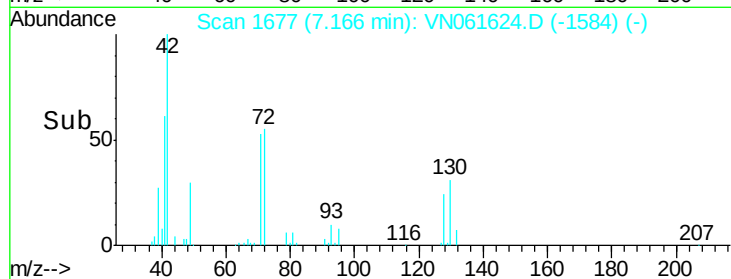
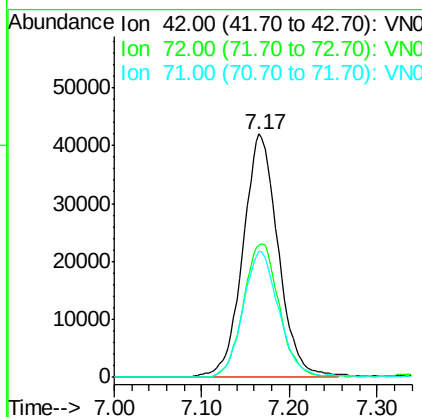
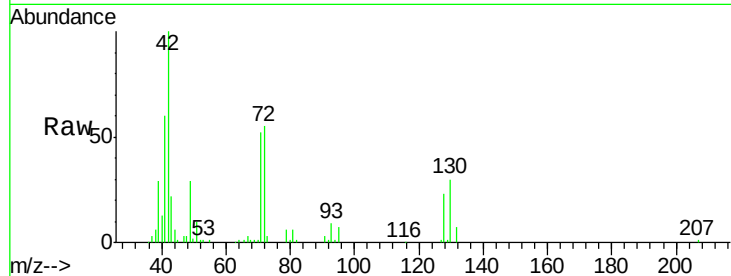
#29
Tetrahydrofuran
Concen: 87.468 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.5	43.6	65.4
71	52.5	41.2	61.8

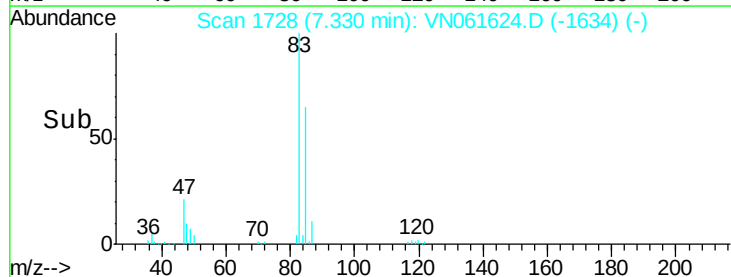
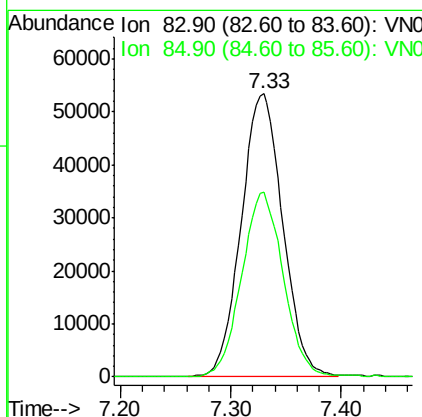
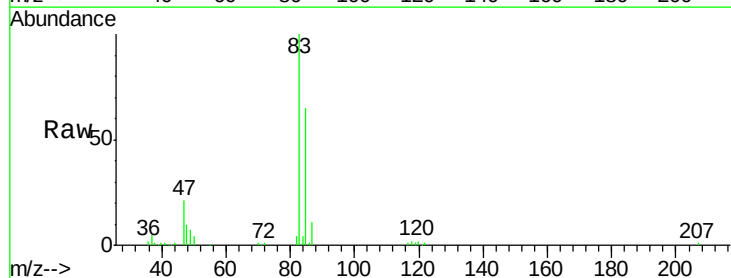
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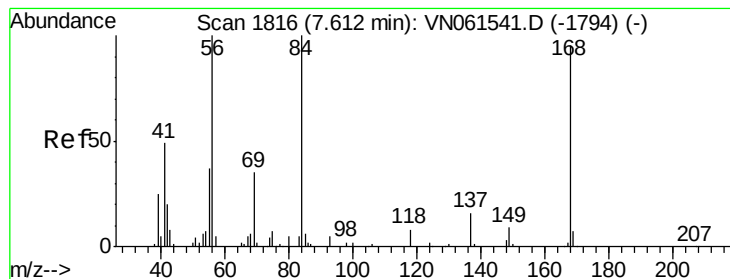
MMDadoda
6/3/2020 11:32:30 AM



#30
Chloroform
Concen: 18.729 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5





#31

Cyclohexane

Concen: 18.300 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampled :

VN0602MBSD01

Tot Ion: 56 Resp: 110789

Ion Ratio Lower Upper

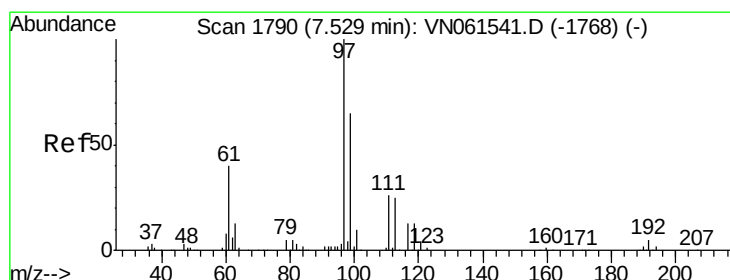
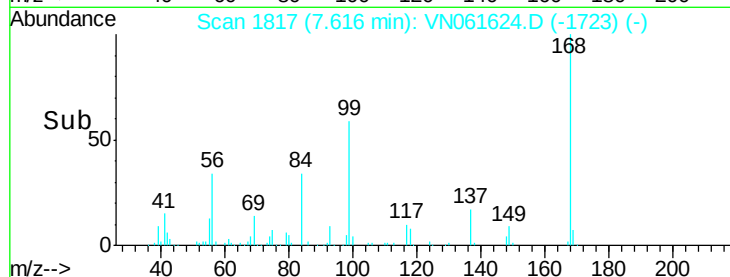
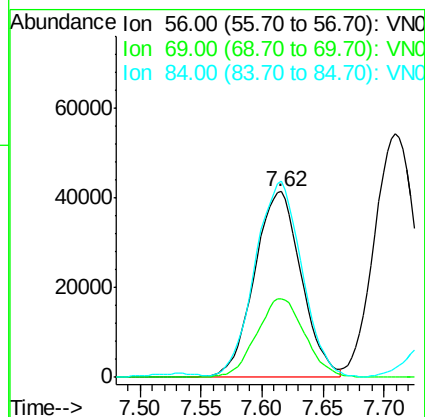
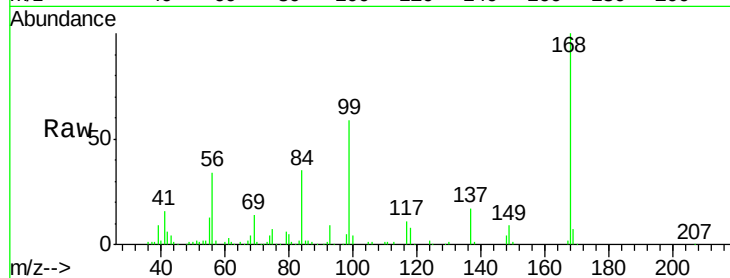
56 100

69 42.3 27.8 41.8#

84 103.8 79.9 119.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.015 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

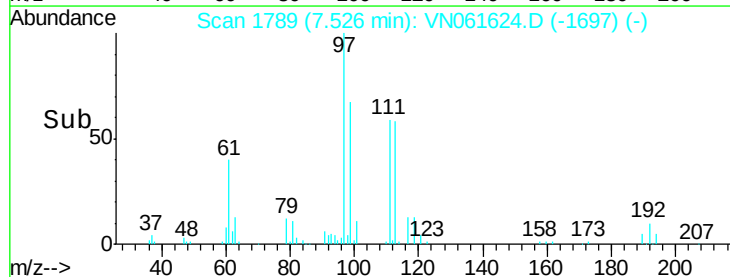
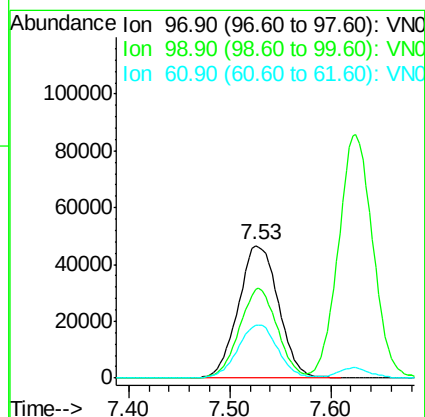
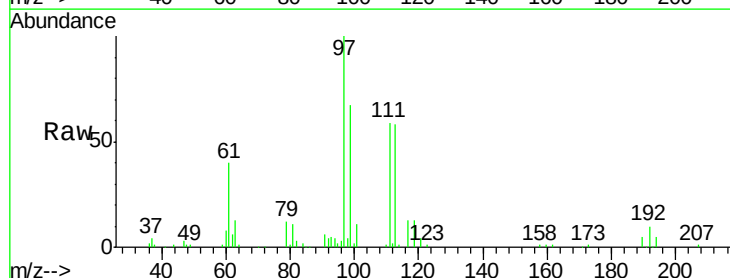
Tgt Ion: 97 Resp: 129033

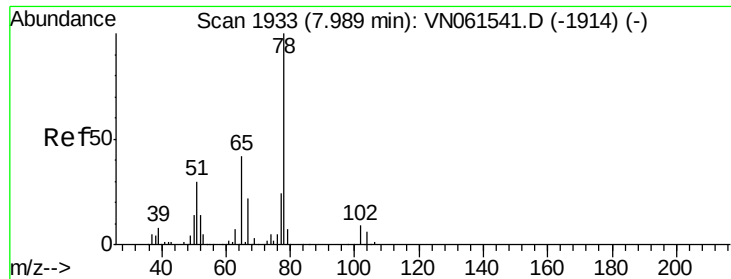
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 39.8 31.4 47.0





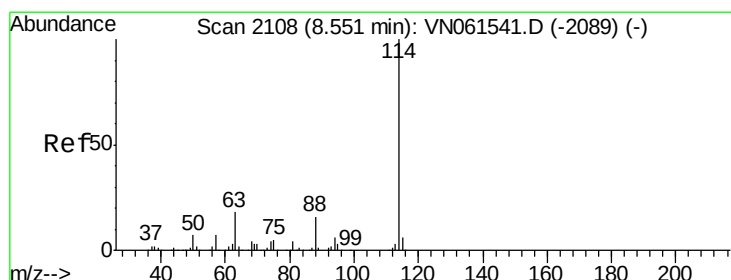
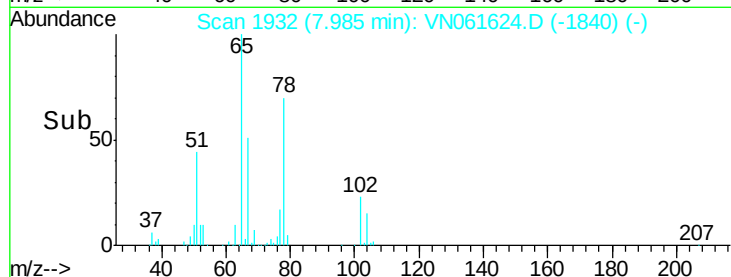
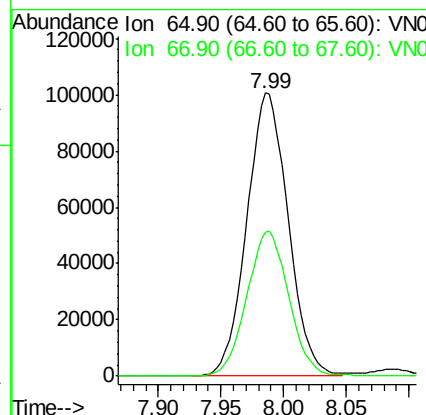
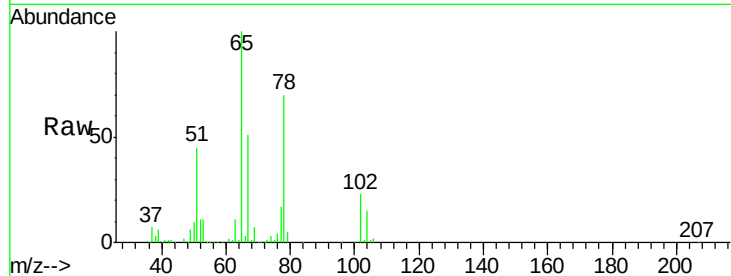
#33
 1,2-Dichloroethane-d4
 Concen: 53.760 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	230933		
67	52.1	0.0	104.8	

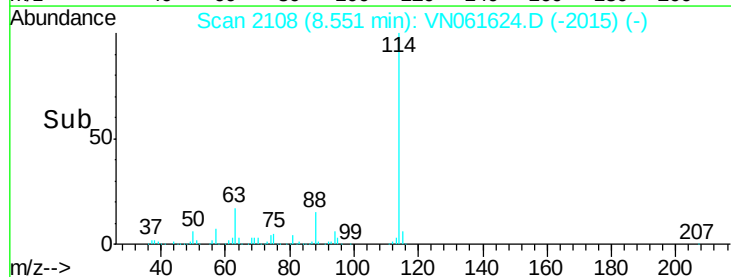
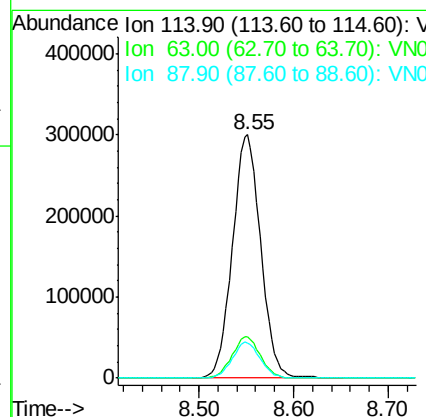
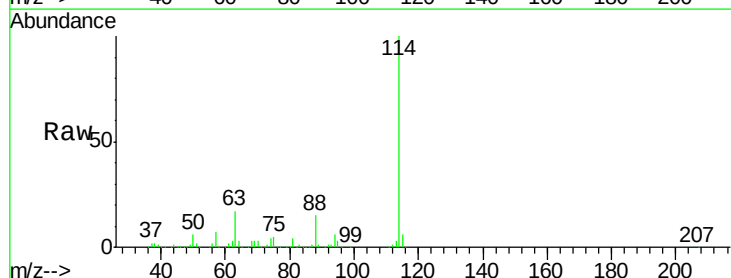
Manual Integrations
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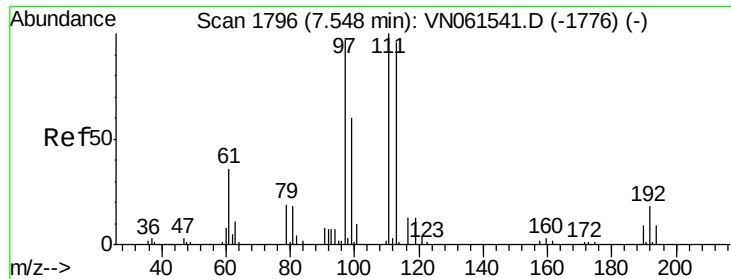
MMDadoda
 6/3/2020 11:32:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	621915		
63	16.9	0.0	35.8	
88	14.6	0.0	31.0	





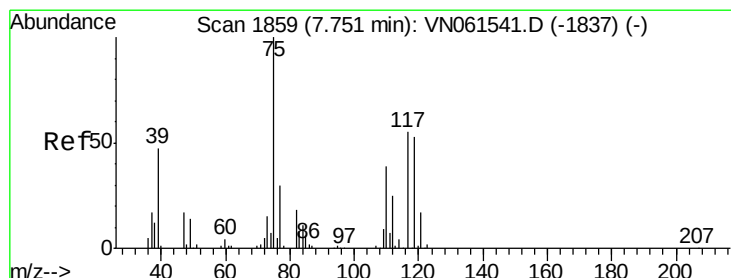
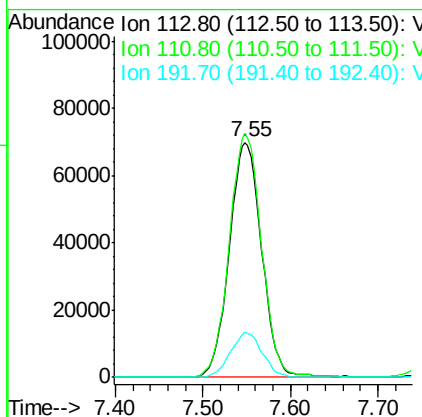
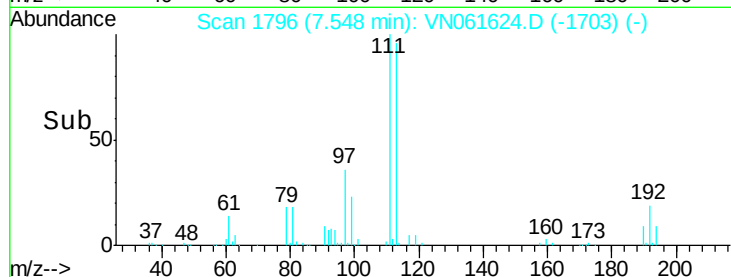
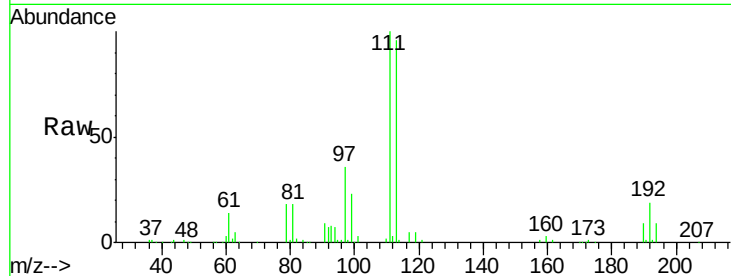
#35
 Dibromofluoromethane
 Concen: 56.777 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	179122		
111	103.9	83.4	125.0	
192	18.8	15.4	23.2	

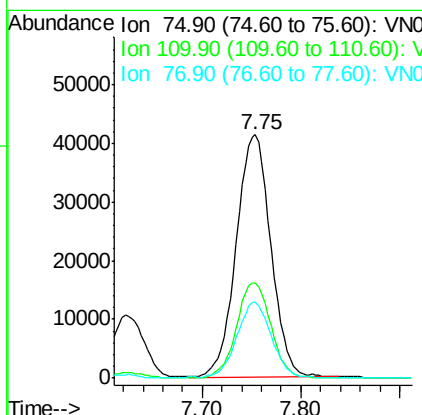
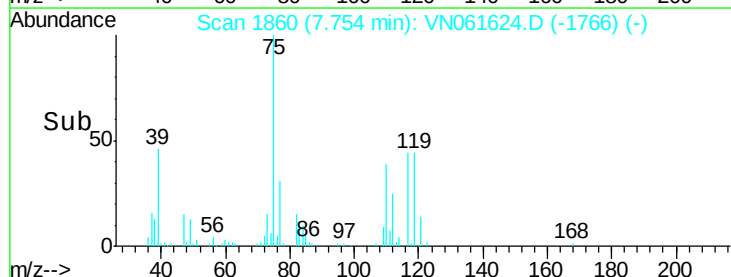
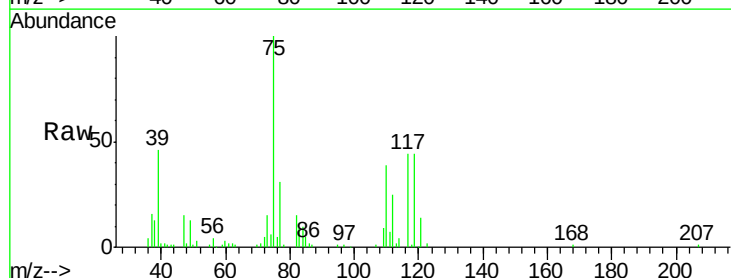
Manual Integrations
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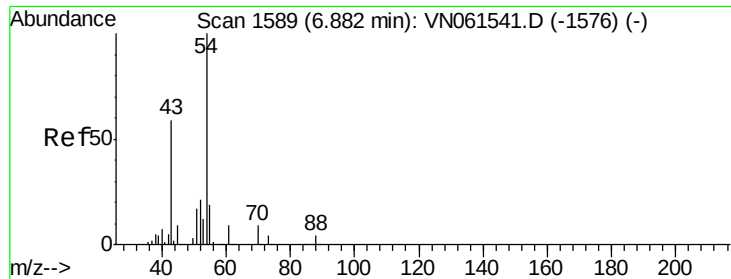
MMDadoda
 6/3/2020 11:32:30 AM



#36
 1,1-Dichloropropene
 Concen: 18.306 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	100783		
110	38.7	19.5	58.5	
77	31.3	24.7	37.1	





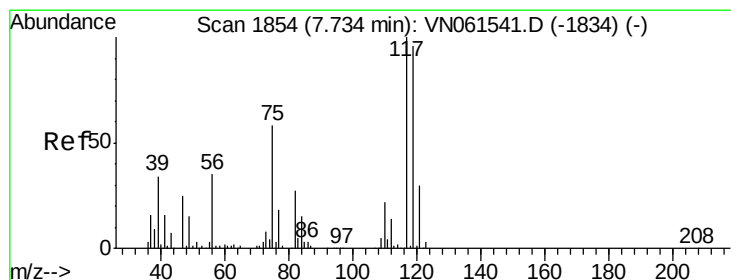
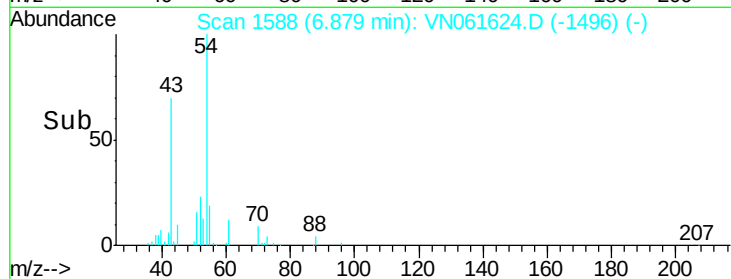
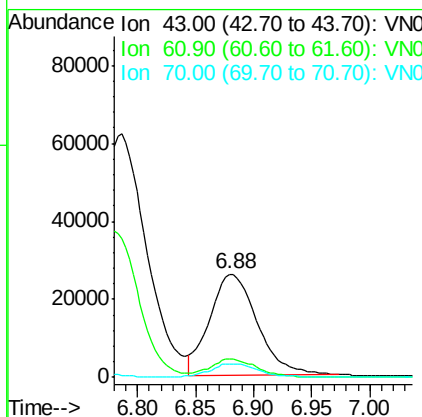
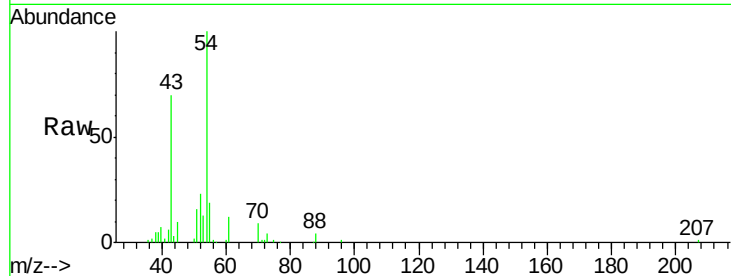
#37
Ethyl Acetate
Concen: 16.842 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	12.2	18.4
70	13.6	9.4	14.2

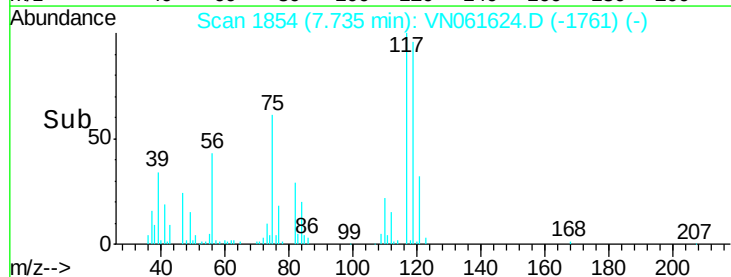
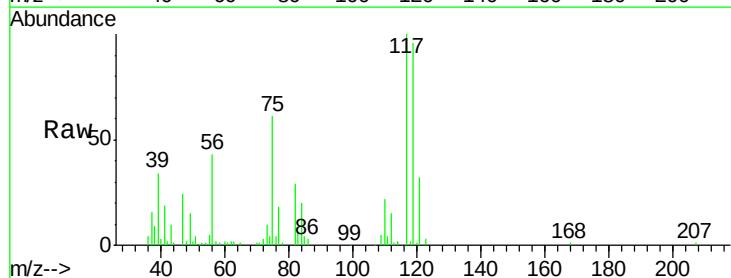
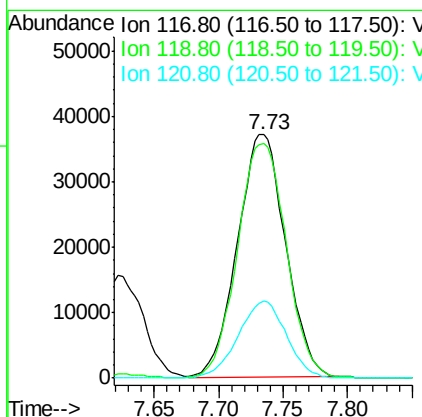
Manual Integrations
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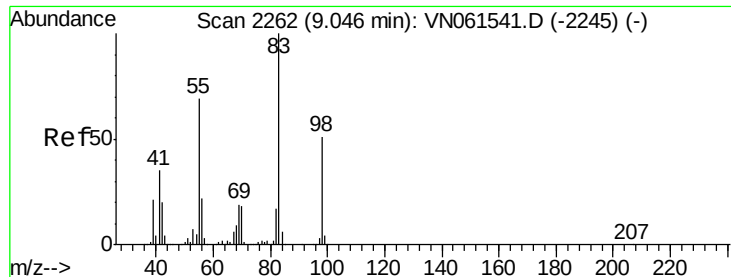
MMDadoda
6/3/2020 11:32:30 AM



#38
Carbon Tetrachloride
Concen: 18.130 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.5	114.7
121	31.7	24.1	36.1





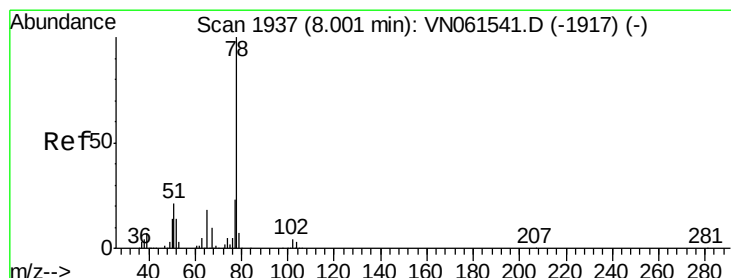
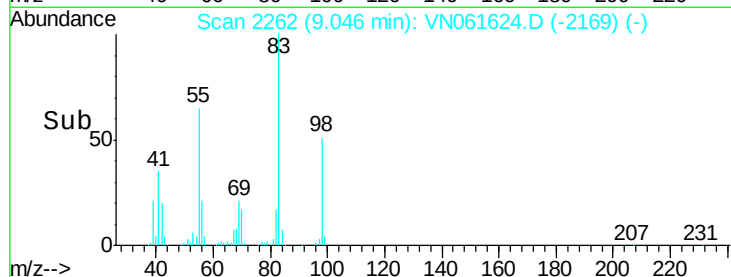
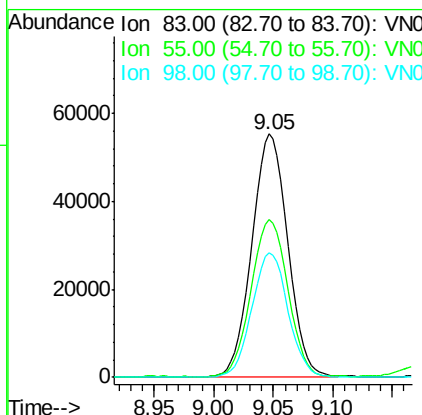
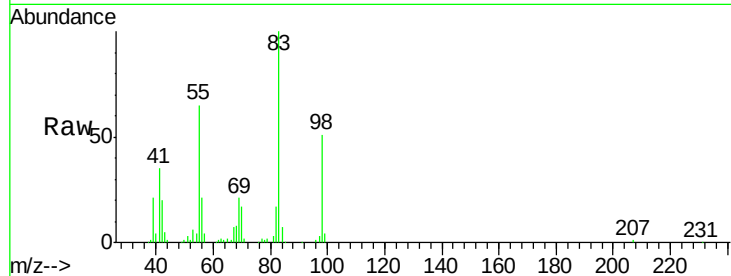
#39
Methylvlcyclohexane
Concen: 17.161 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	83	Resp	116453
Ion Ratio	Lower	Upper	
83	100		
55	64.5	54.9	82.3
98	51.2	41.0	61.4

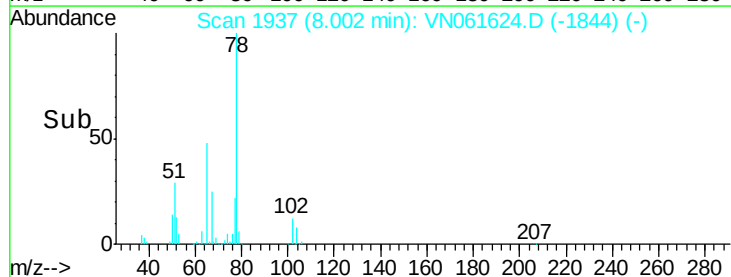
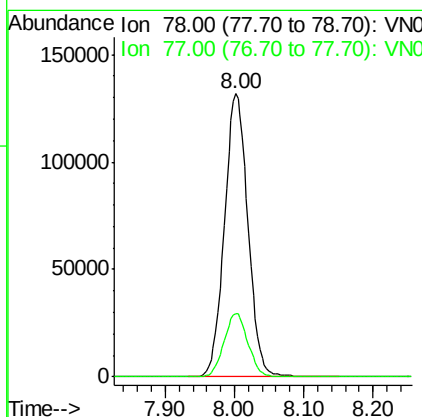
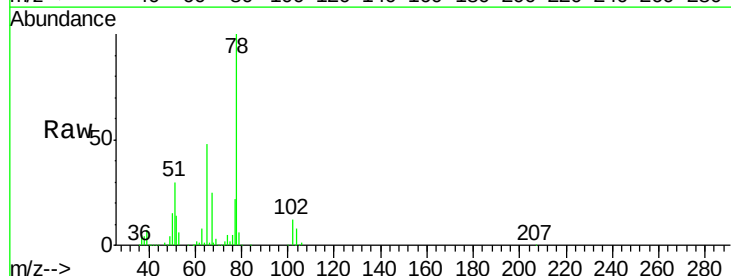
Manual Integrations
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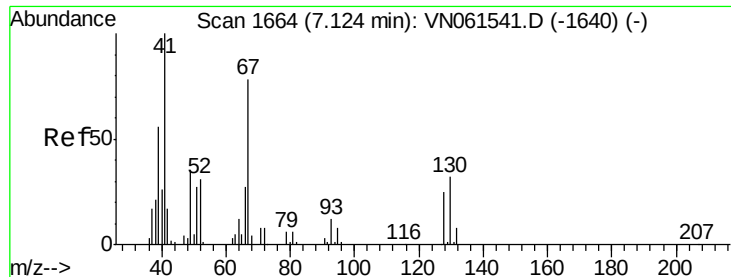
MMDadoda
6/3/2020 11:32:30 AM



#40
Benzene
Concen: 18.411 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion	78	Resp	312750
Ion Ratio	Lower	Upper	
78	100		
77	22.4	18.6	28.0





#41

Methacrylonitrile

Concen: 16.367 ug/l

RT: 7.12 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampled :

VN0602MBSD01

Tot Ion: 41 Resp: 33253

Ion Ratio Lower Upper

41 100

39 59.4 53.8 80.6

67 113.3 91.1 136.7

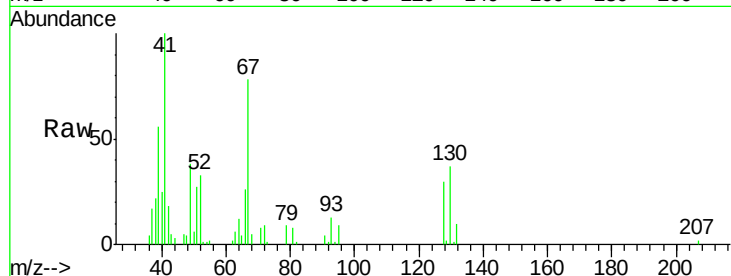
52 42.9 36.0 54.0

Manual Integrations

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MMDadoda

6/3/2020 11:32:30 AM

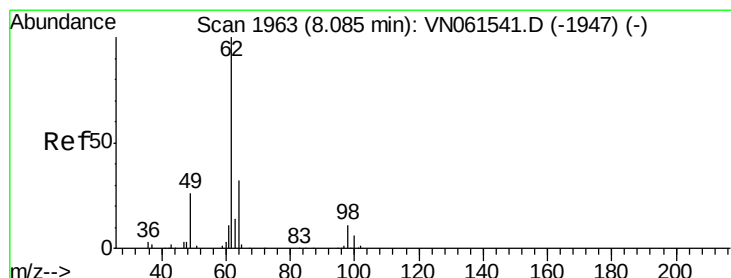
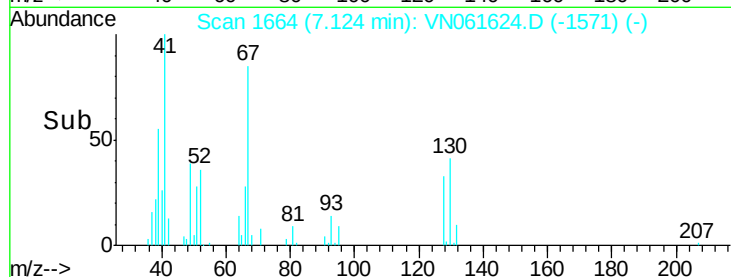
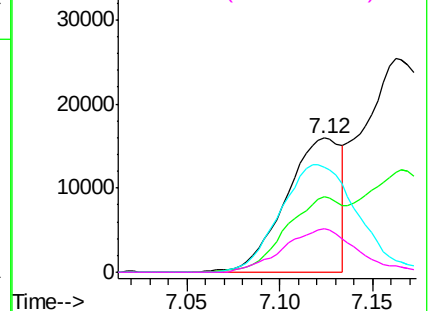


Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-1640) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-1640) (-)

Ion 67.00 (66.70 to 67.70): VN061541.D (-1640) (-)

Ion 52.00 (51.70 to 52.70): VN061541.D (-1640) (-)



#42

1,2-Dichloroethane

Concen: 17.915 ug/l

RT: 8.09 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VN061624.D

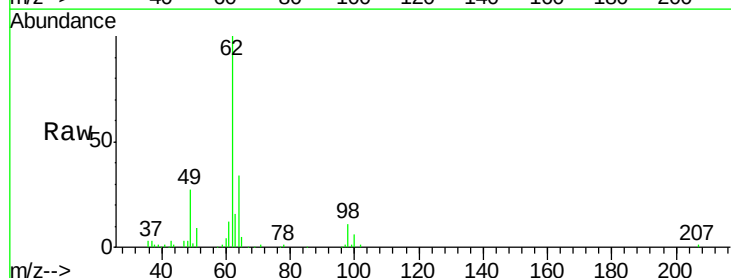
Acq: 2 Jun 2020 17:13

Tgt Ion: 62 Resp: 101886

Ion Ratio Lower Upper

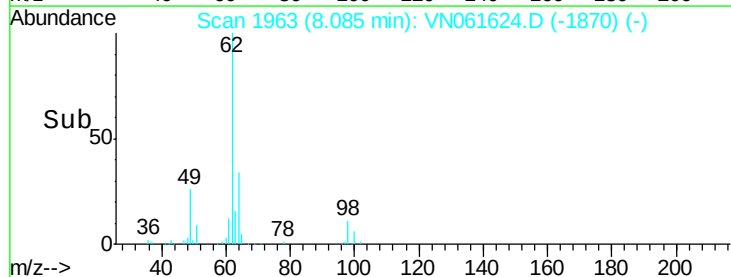
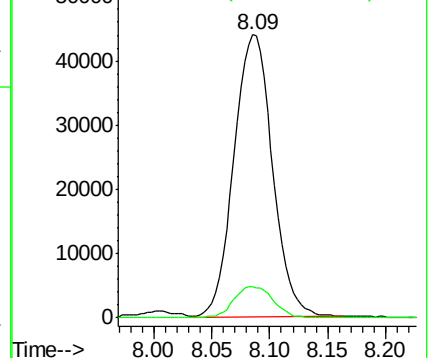
62 100

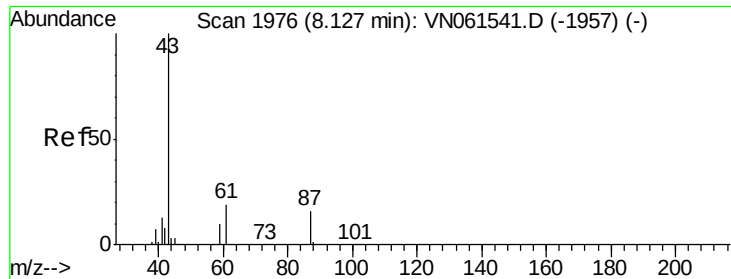
98 11.2 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VN061541.D (-1947) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-1947) (-)





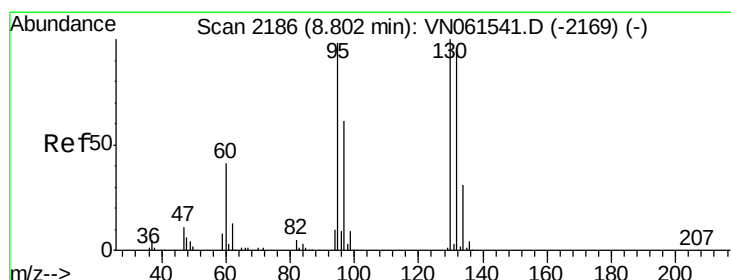
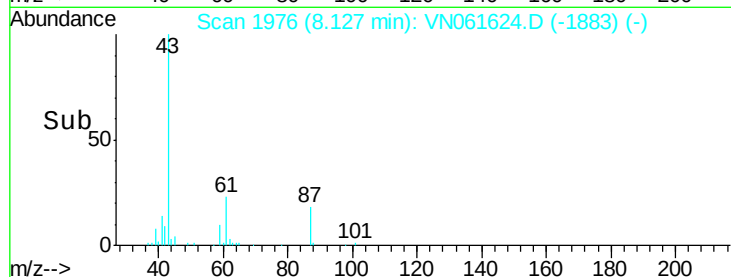
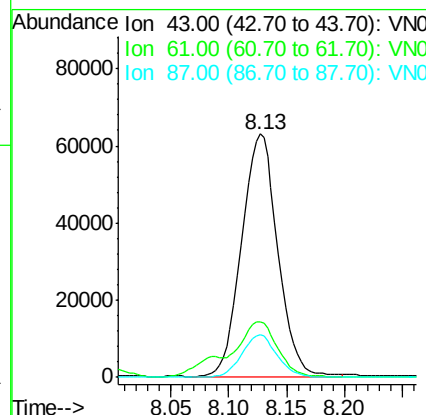
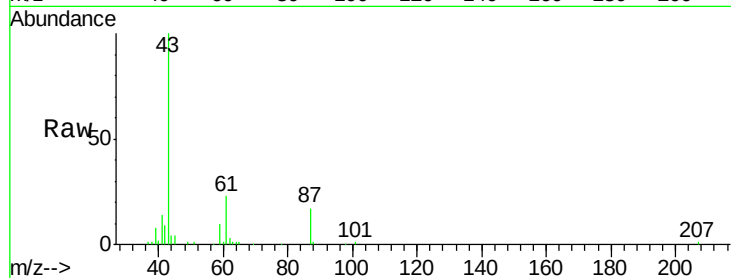
#43
Isopropyl Acetate
Concen: 17.072 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.9	23.6	35.4
87	17.1	13.0	19.6

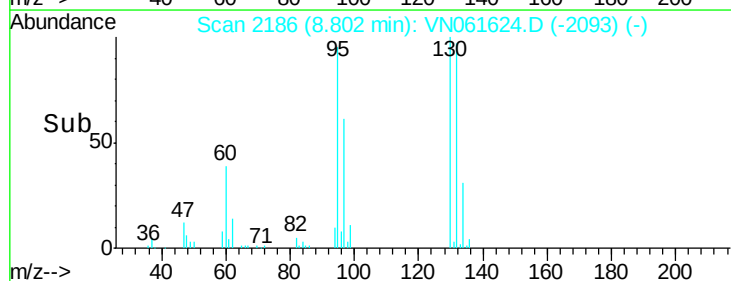
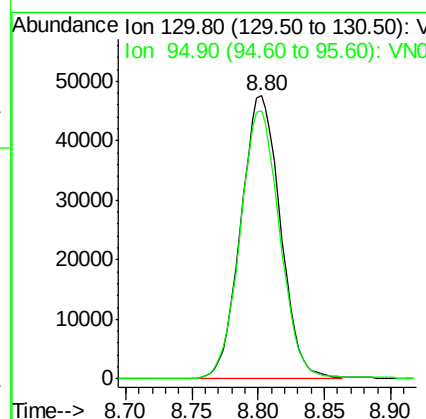
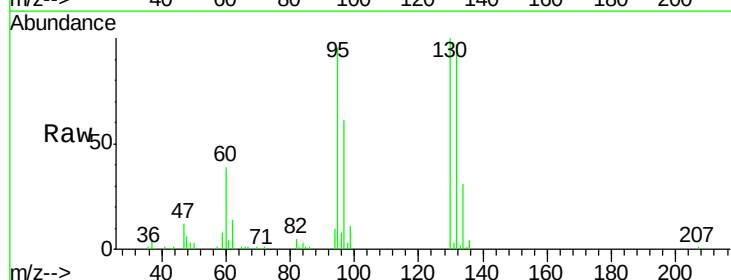
Manual Integrations
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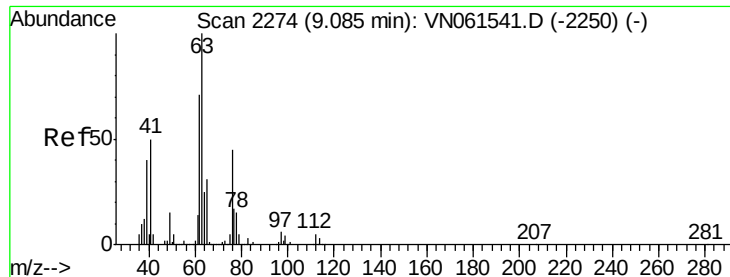
MMDadoda
6/3/2020 11:32:30 AM



#44
Trichloroethene
Concen: 18.917 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	196.6





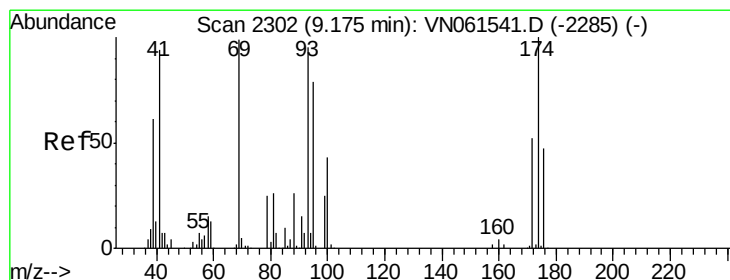
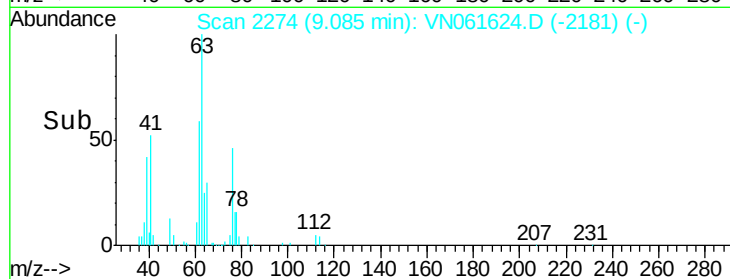
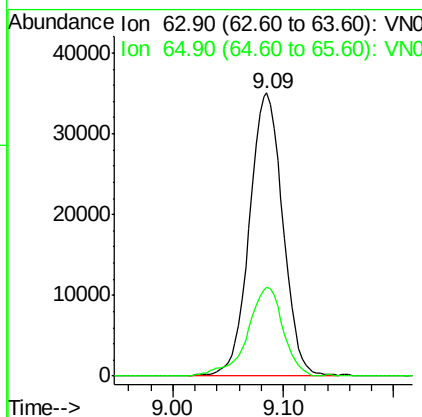
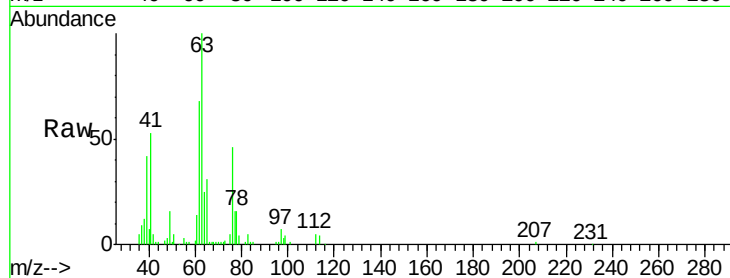
#45
 1,2-Dichloropropane
 Concen: 18.227 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion: 63 Resp: 73523
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

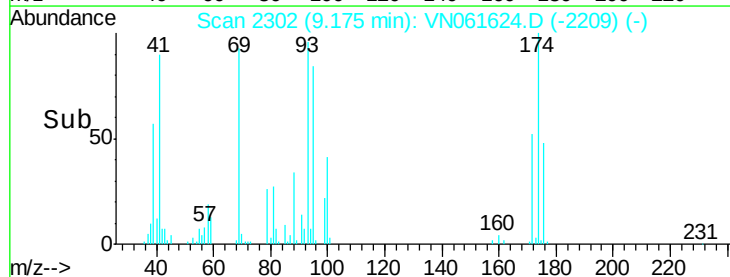
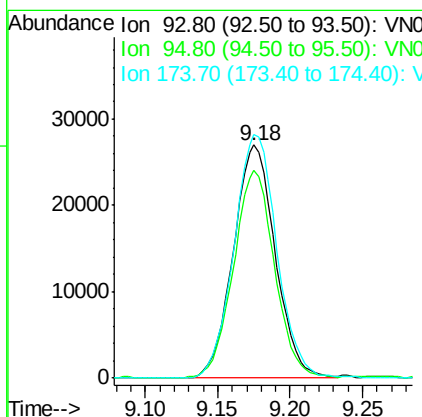
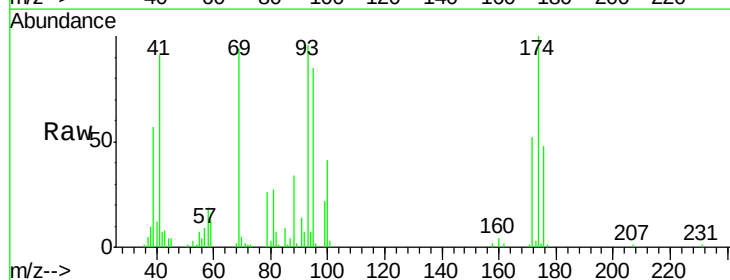
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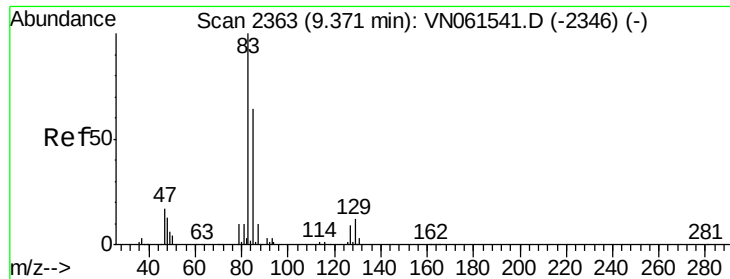
MMDadoda
 6/3/2020 11:32:30 AM



#46
 Dibromomethane
 Concen: 17.576 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion: 93 Resp: 54373
 Ion Ratio Lower Upper
 93 100
 95 87.3 66.0 99.0
 174 106.7 82.5 123.7





#47

Bromodichloromethane

Concen: 18.541 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

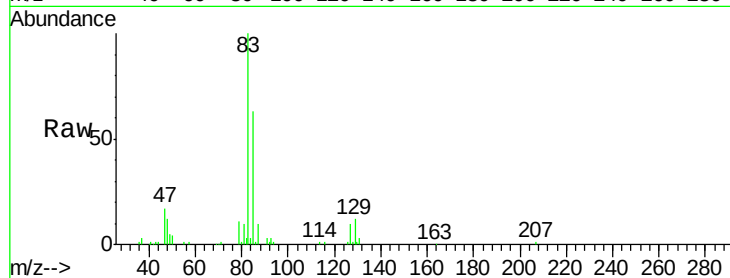
ClientSampleId :

VN0602MBSD01

Tot Ion:	83	Resp:	113640
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.1	76.7
127	10.3	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
6/3/2020 11:32:30 AM

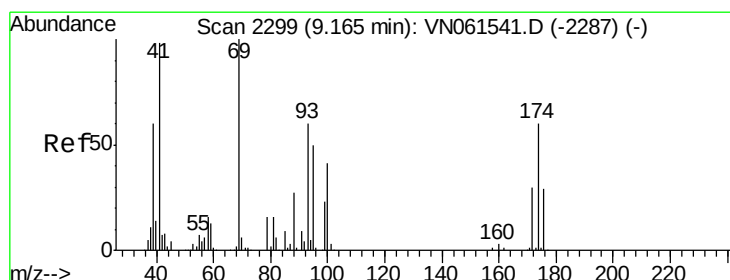
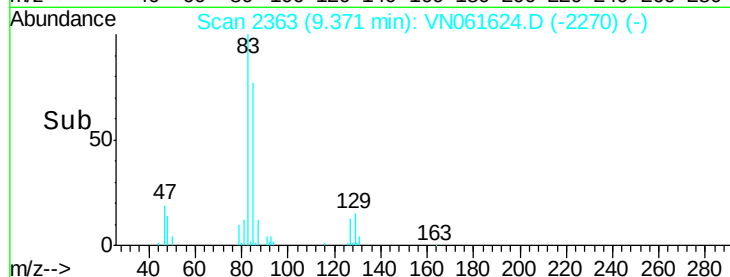


Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN061541.D (-2346) (-)

Time-->



#48

Methyl methacrylate

Concen: 16.954 ug/l

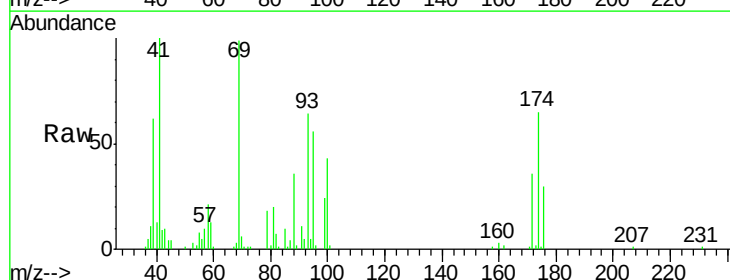
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Tgt Ion:	41	Resp:	60855
Ion	Ratio	Lower	Upper
41	100		
69	104.3	83.9	125.9
39	62.8	52.1	78.1

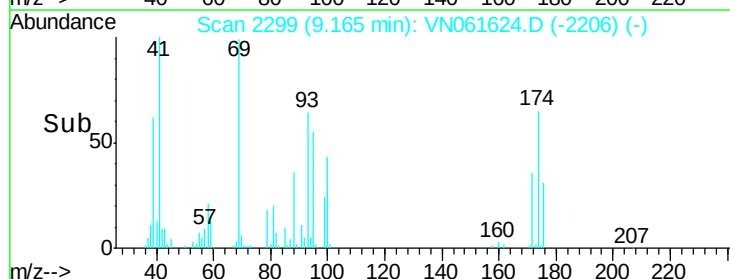


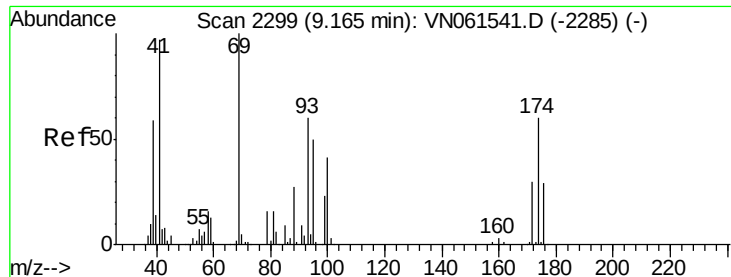
Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061541.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-2287) (-)

Time-->





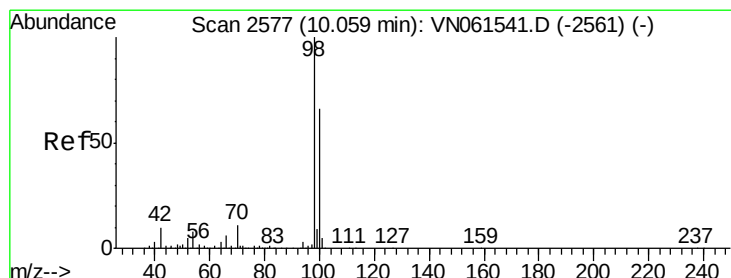
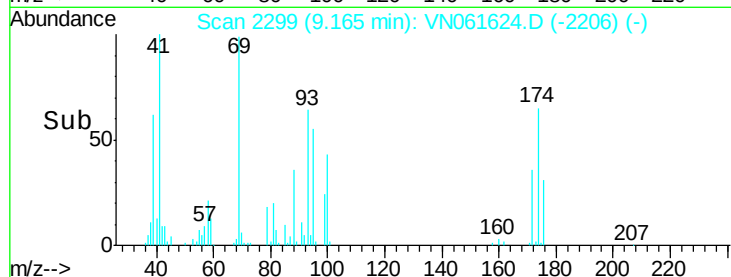
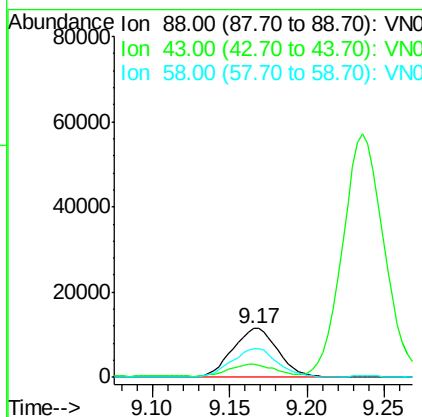
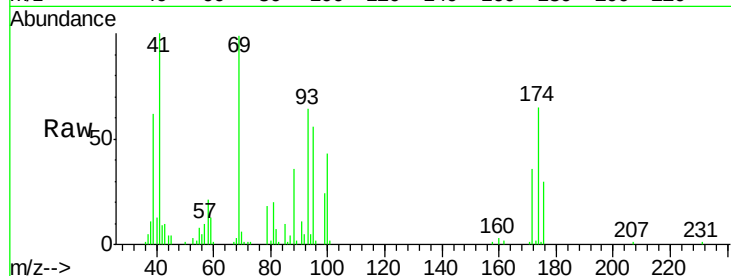
#49
 1,4-Dioxane
 Concen: 420.370 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion	88	Resp	23375
Ion	Ratio	Lower	Upper
88	100		
43	24.9	23.1	34.7
58	60.2	48.3	72.5

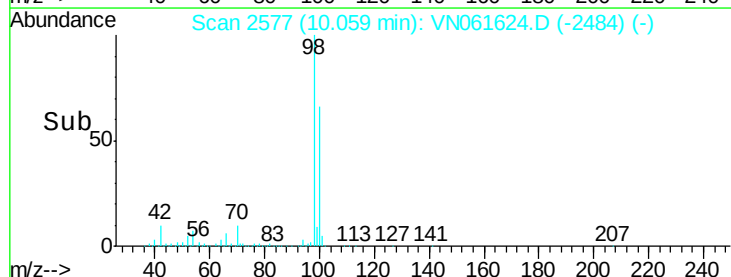
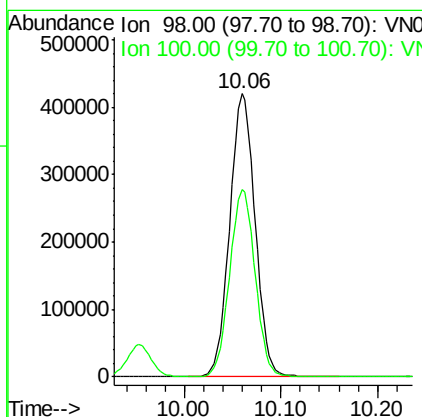
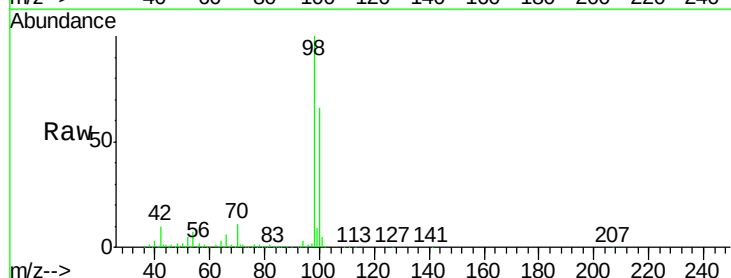
Manual Integrations
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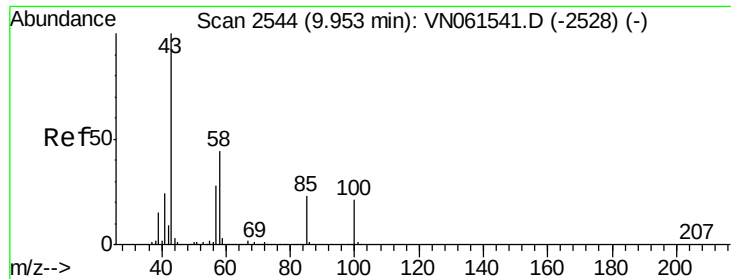
MMDadoda
 6/3/2020 11:32:30 AM



#50
 Toluene-d8
 Concen: 52.456 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	98	Resp	766914
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.8	79.2





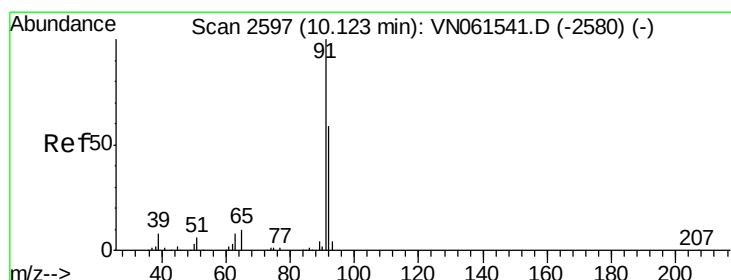
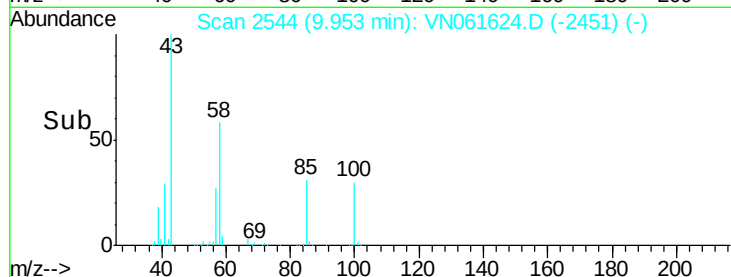
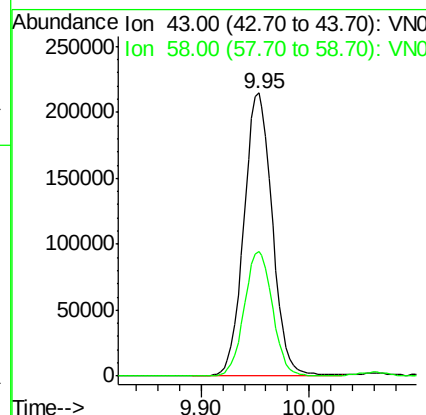
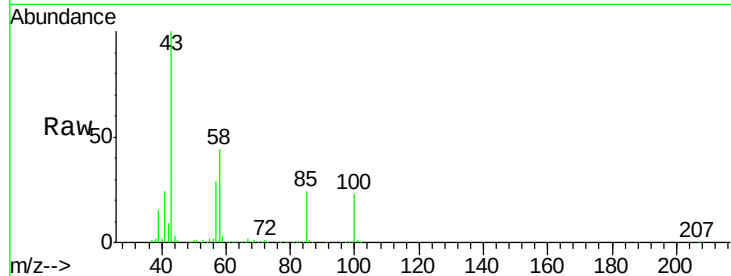
#51
4-Methyl-2-Pentanone
Concen: 87.017 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.0	35.0	52.6

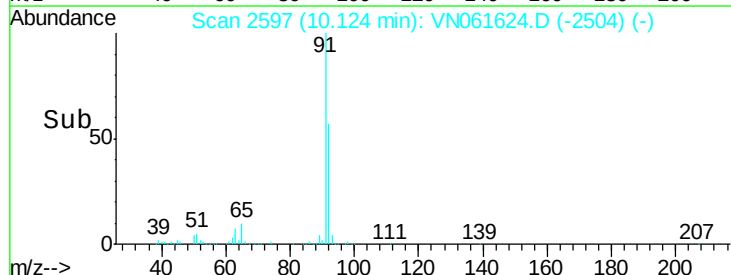
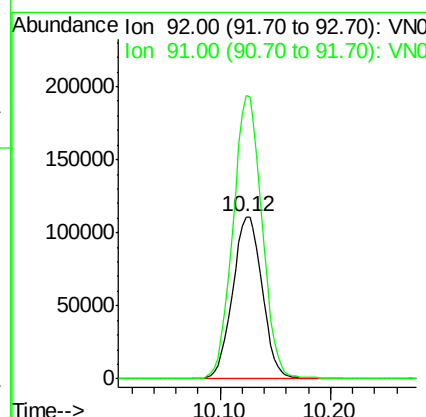
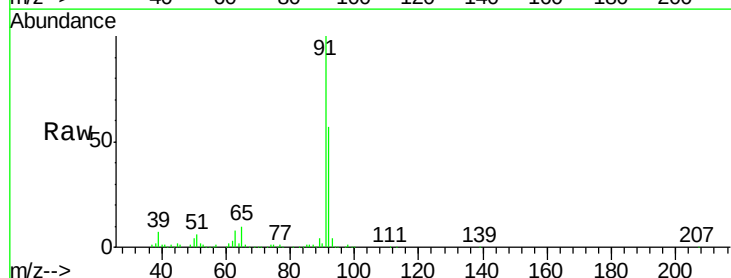
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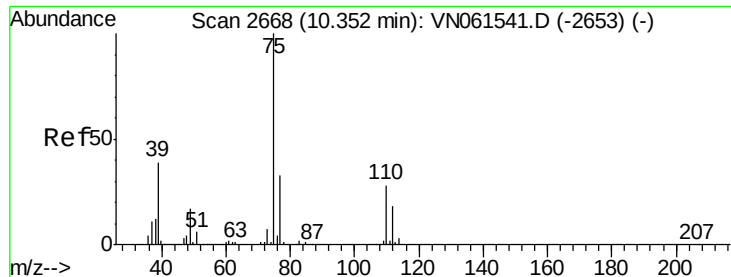
MMDadoda
6/3/2020 11:32:30 AM



#52
Toluene
Concen: 18.656 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	136.4	204.6





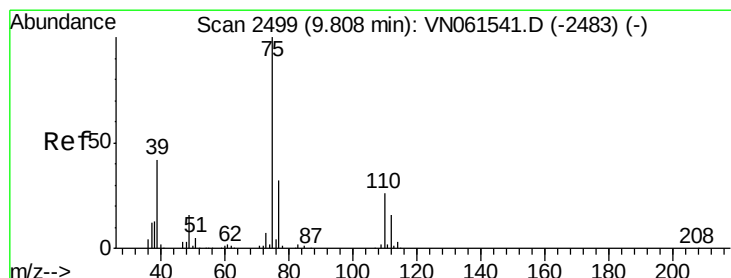
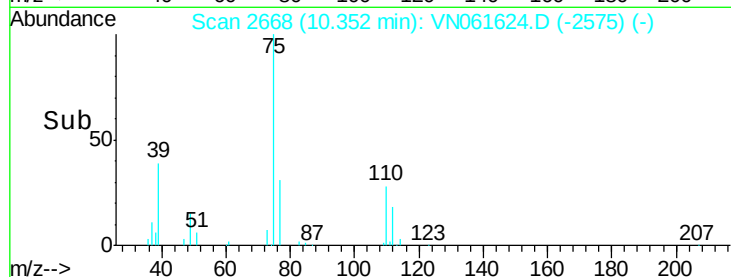
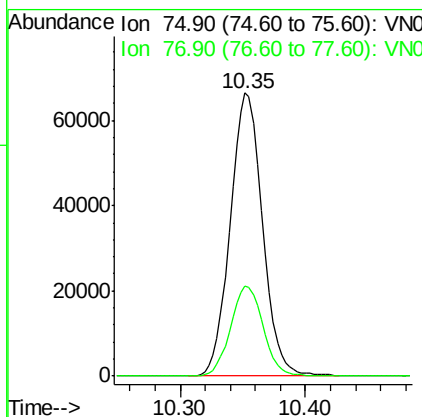
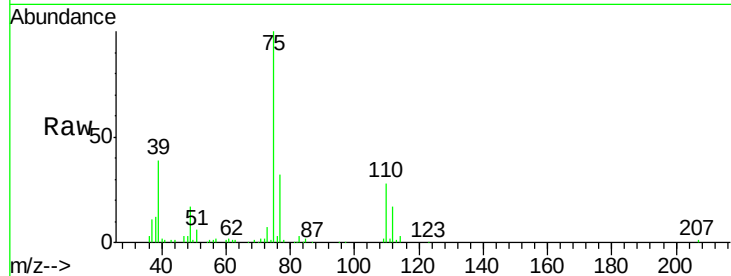
#53
t-1,3-Dichloropropene
Concen: 18.035 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion: 75 Resp: 119082
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.4

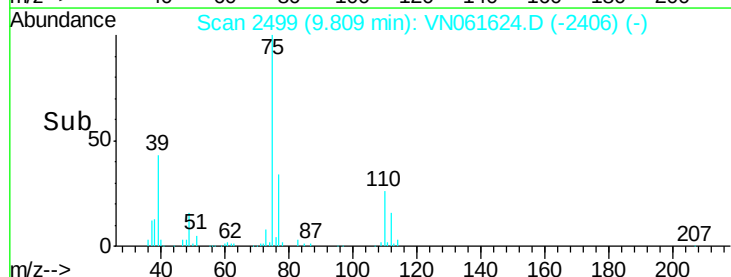
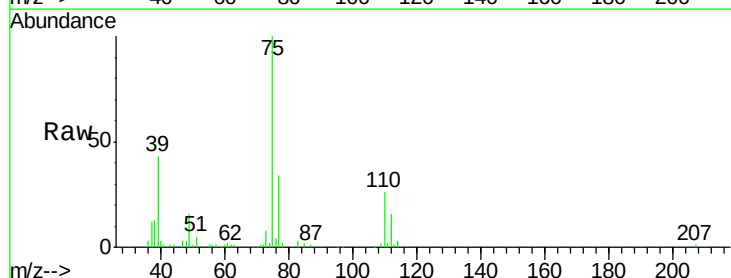
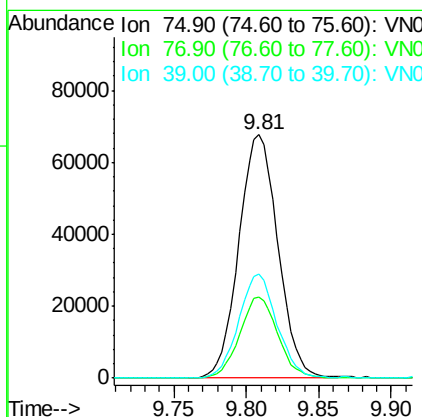
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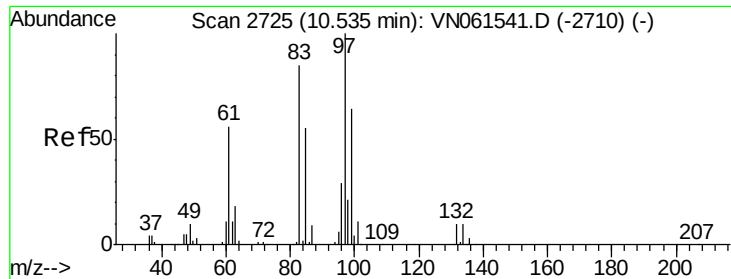
MMDadoda
6/3/2020 11:32:30 AM



#54
cis-1,3-Dichloropropene
Concen: 17.918 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion: 75 Resp: 127210
Ion Ratio Lower Upper
75 100
77 33.5 25.4 38.2
39 42.5 33.8 50.6





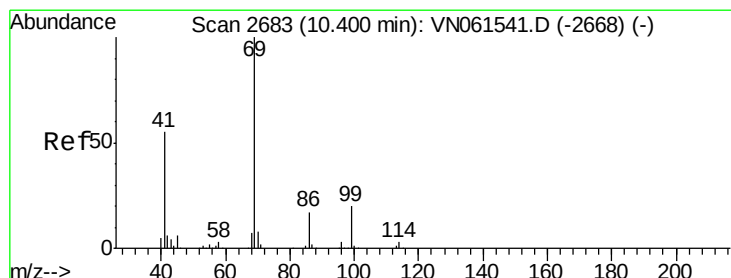
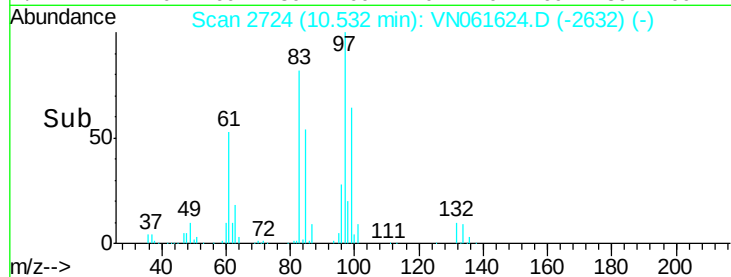
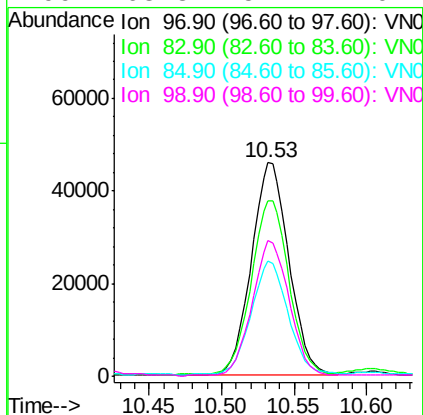
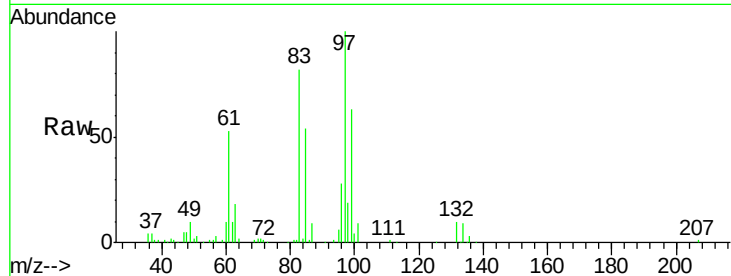
#55
 1,1,2-Trichloroethane
 Concen: 18.729 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBSD01

Tot Ion:	97	Resp:	82729
Ion	Ratio	Lower	Upper
97	100		
83	81.8	68.1	102.1
85	53.4	44.1	66.1
99	63.3	51.1	76.7

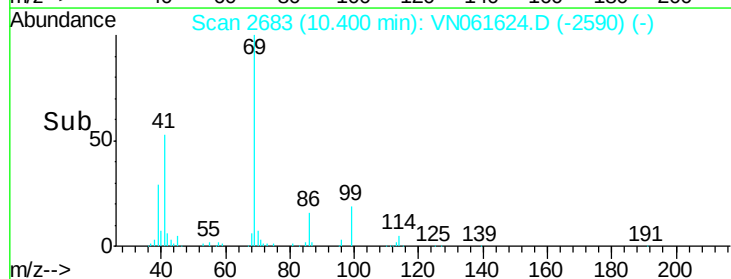
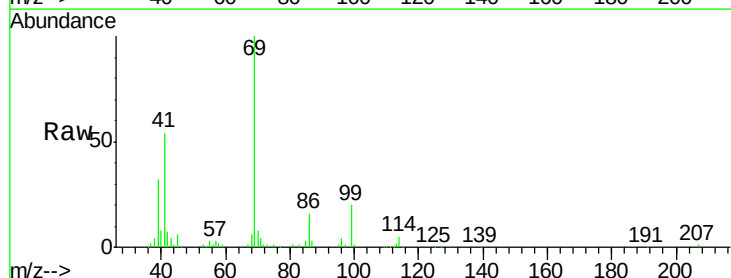
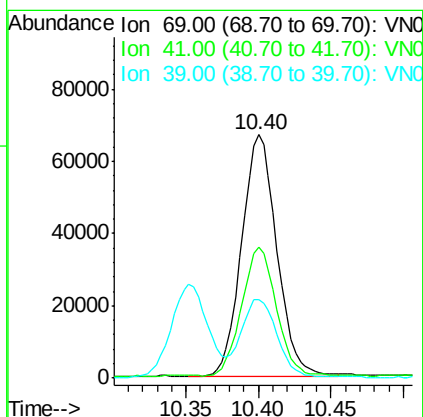
Manual Integrations
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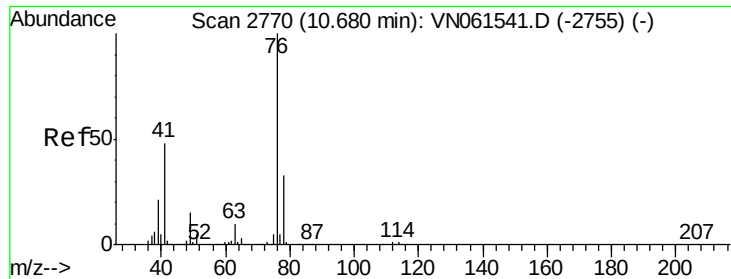
MMDadoda
 6/3/2020 11:32:30 AM



#56
 Ethyl methacrylate
 Concen: 18.258 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion:	69	Resp:	112659
Ion	Ratio	Lower	Upper
69	100		
41	52.4	43.5	65.3
39	32.7	27.0	40.6





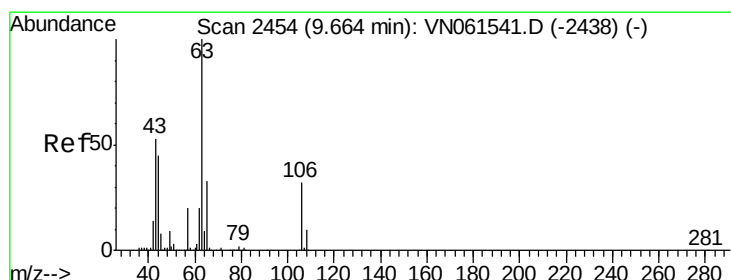
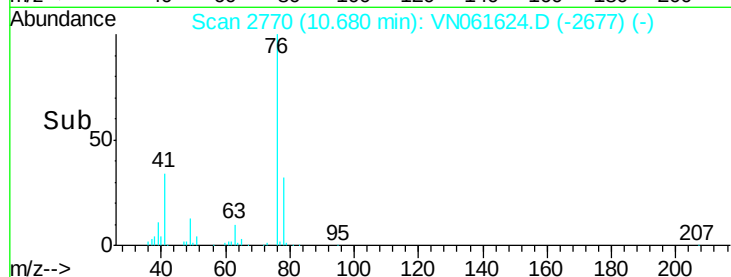
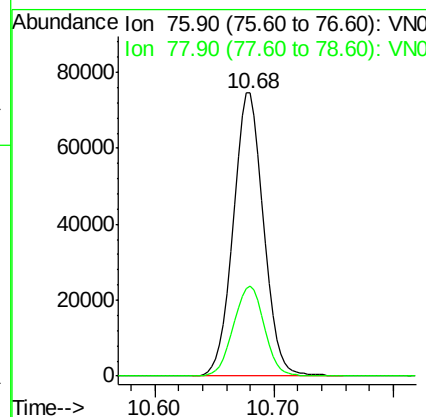
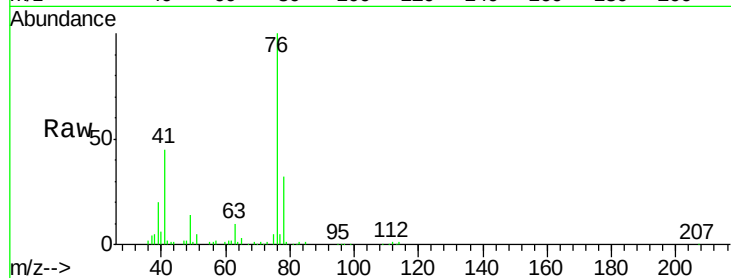
#57
 1,3-Dichloropropane
 Concen: 18.633 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.3	39.5

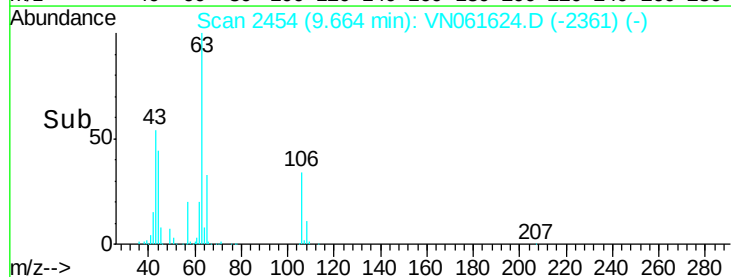
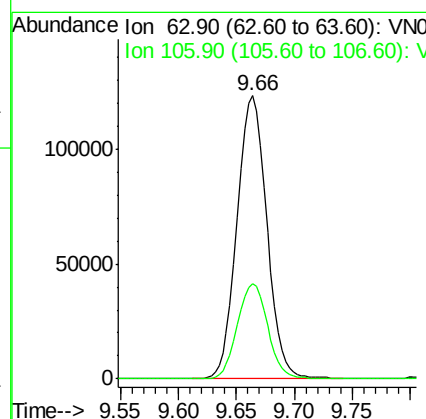
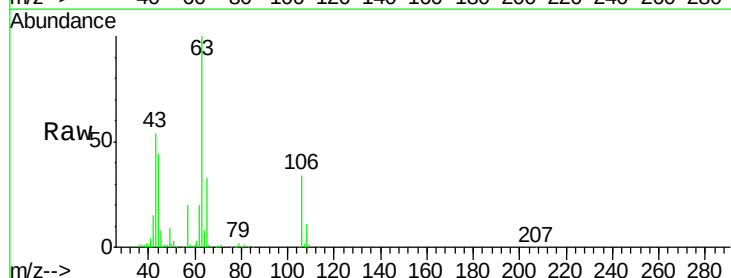
Manual Integrations
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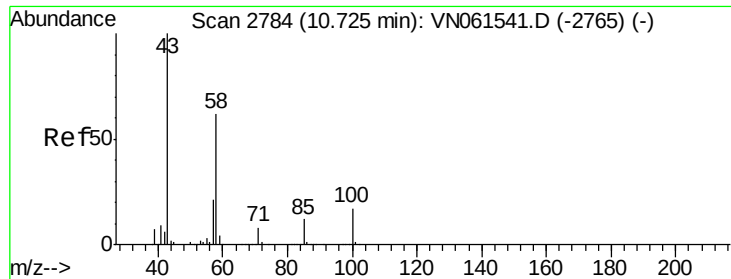
MMDadoda
 6/3/2020 11:32:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.404 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.2	25.9	38.9





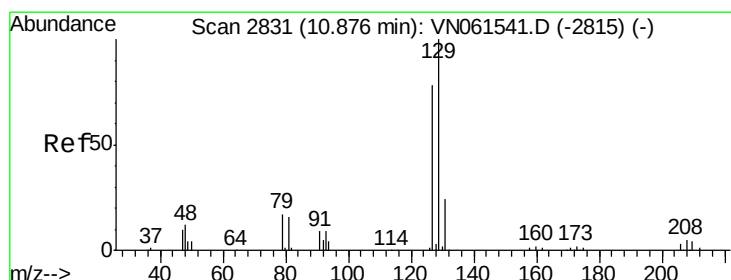
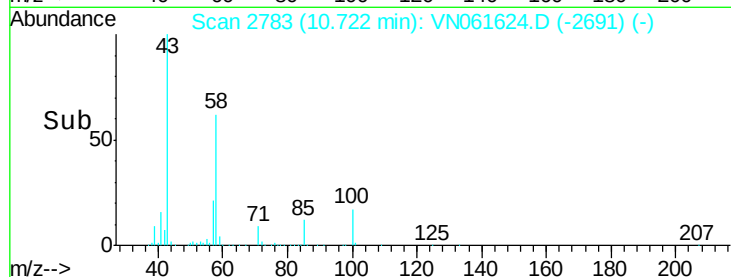
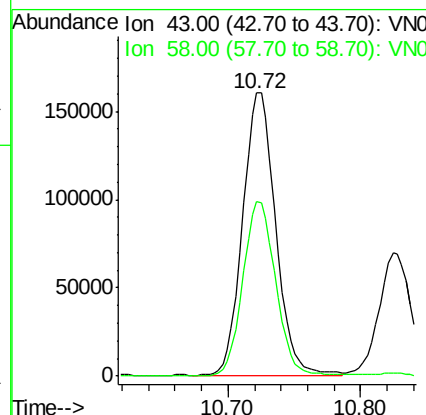
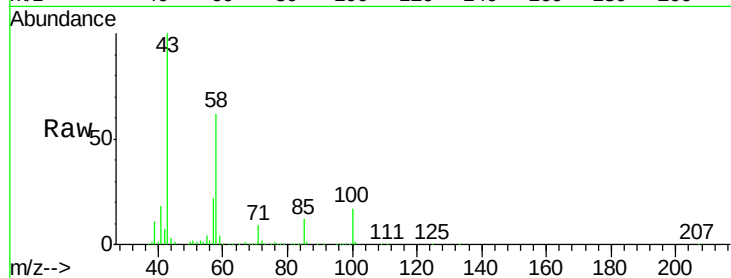
#59
2-Hexanone
Concen: 85.384 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion: 43 Resp: 275681
Ion Ratio Lower Upper
43 100
58 62.2 30.7 92.1

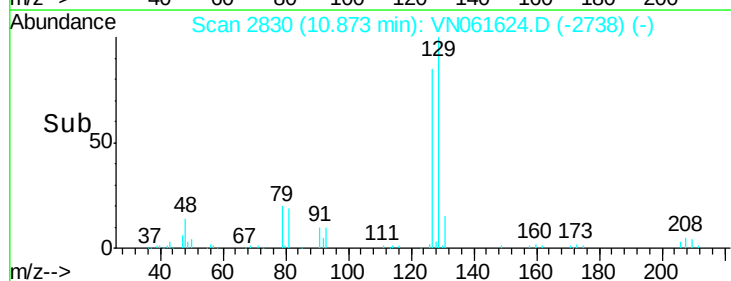
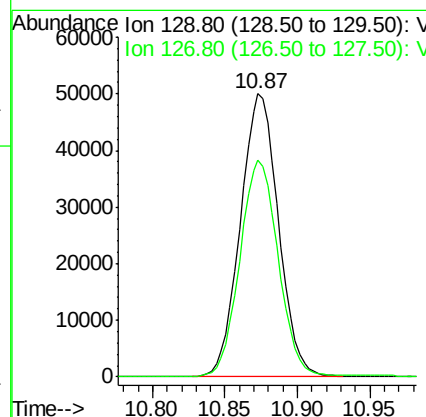
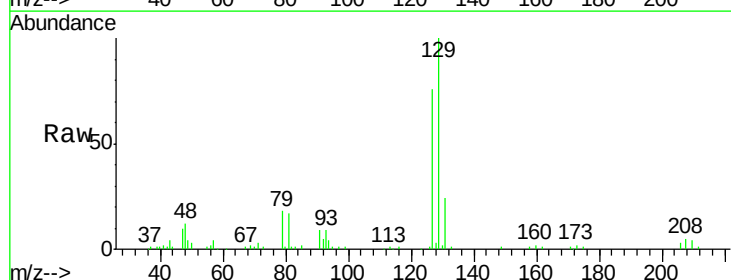
Manual Integrations
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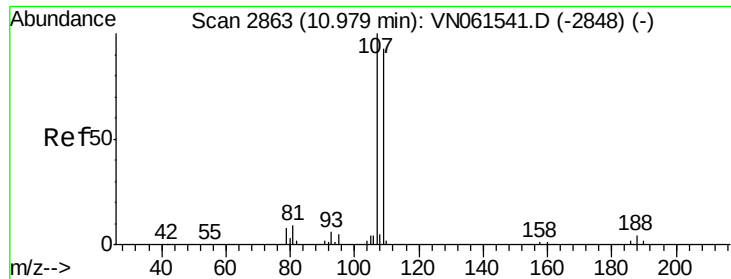
MMDadoda
6/3/2020 11:32:30 AM



#60
Dibromochloromethane
Concen: 18.224 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion: 129 Resp: 91516
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3





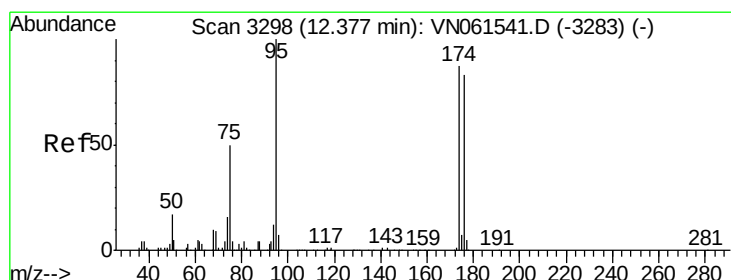
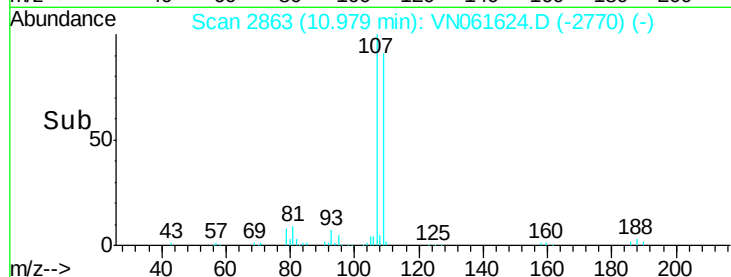
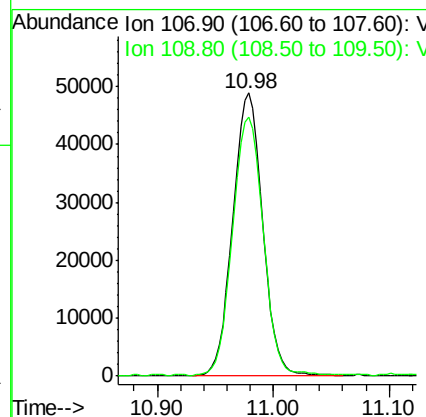
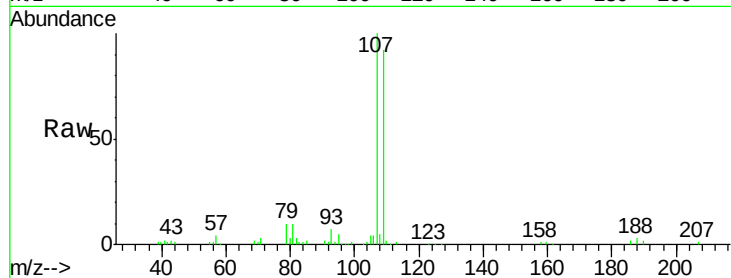
#61
 1,2-Dibromoethane
 Concen: 18.851 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBSD01

Tot Ion: 107 Resp: 86848
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.1 114.1

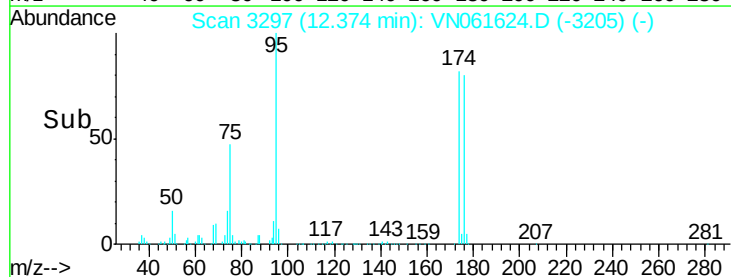
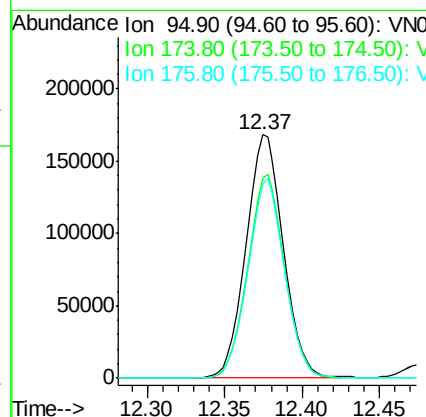
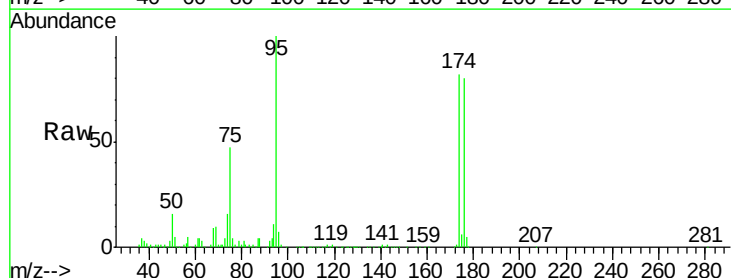
Manual Integrations
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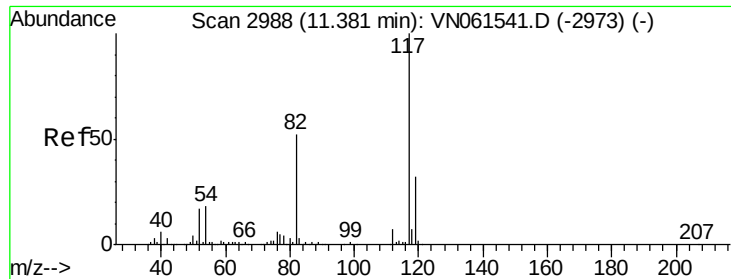
MMDadoda
 6/3/2020 11:32:30 AM



#62
 4-Bromofluorobenzene
 Concen: 52.555 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion: 95 Resp: 280324
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 172.8
 176 81.0 0.0 164.8





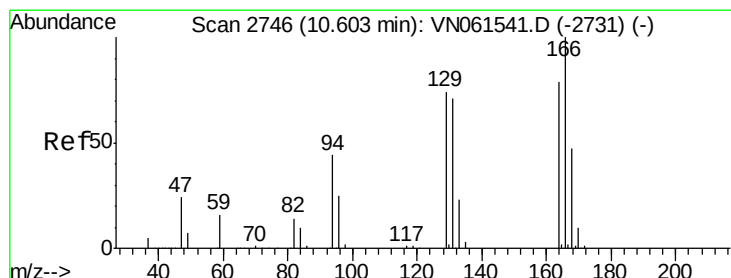
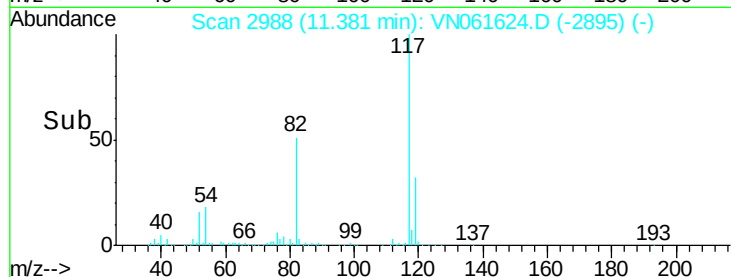
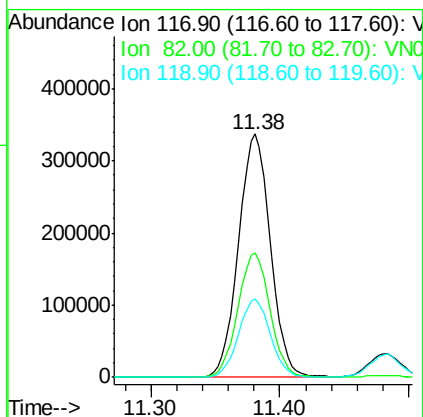
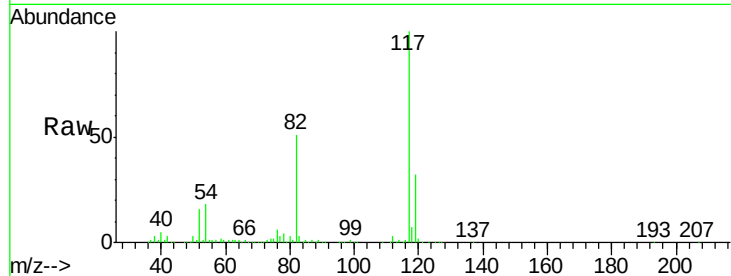
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampleId :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.5	62.3
119	32.1	25.6	38.4

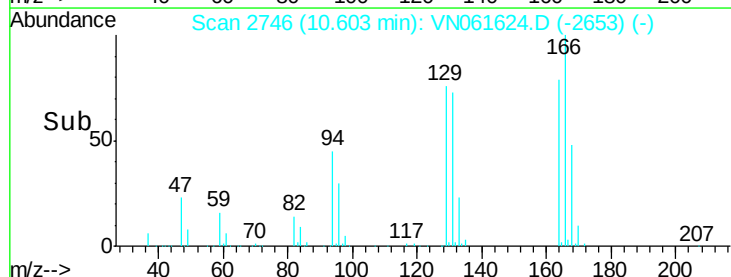
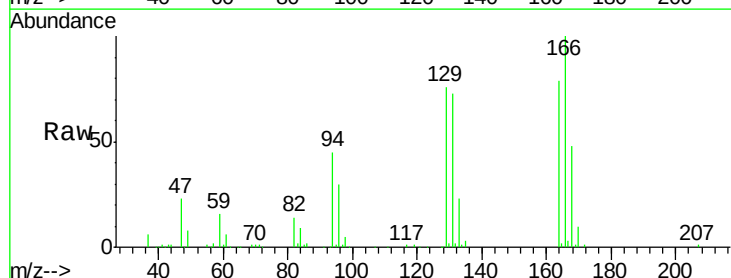
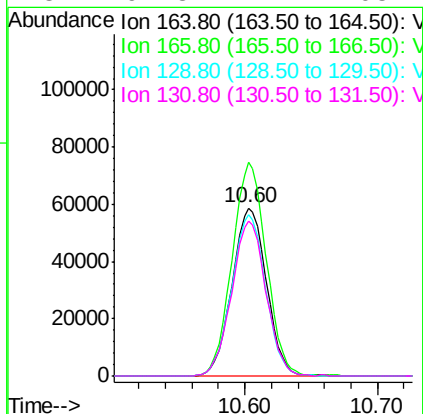
Manual Integrations
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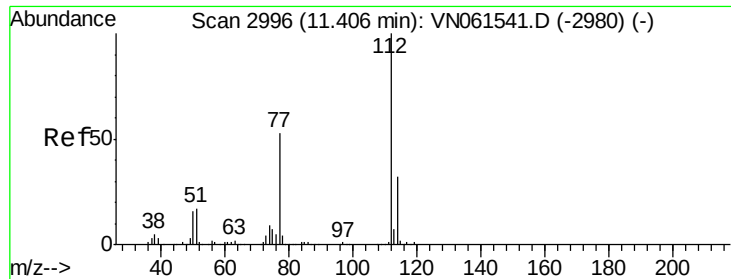
MMDadoda
6/3/2020 11:32:30 AM



#64
Tetrachloroethene
Concen: 19.311 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.5	152.3
129	95.9	74.9	112.3
131	92.3	72.2	108.2





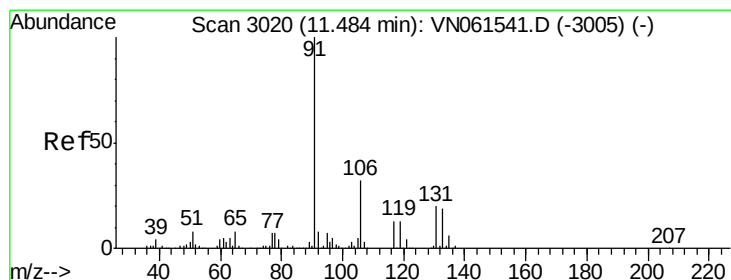
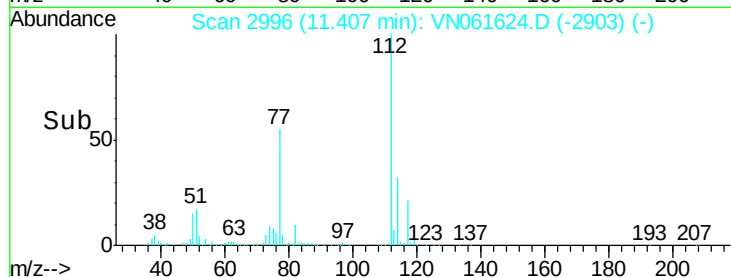
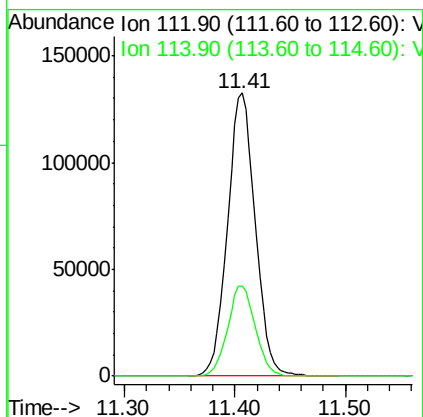
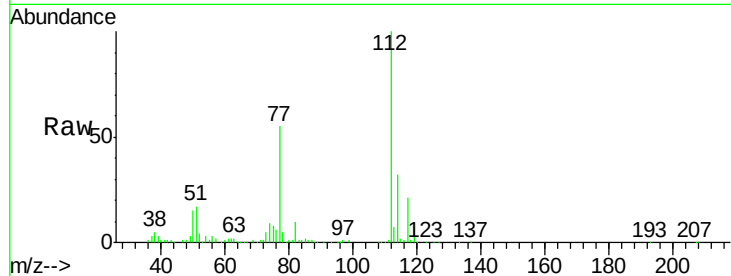
#65
Chlorobenzene
Concen: 19.127 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion:112 Resp: 231027
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

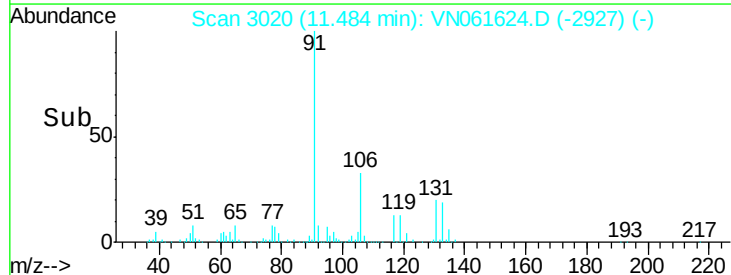
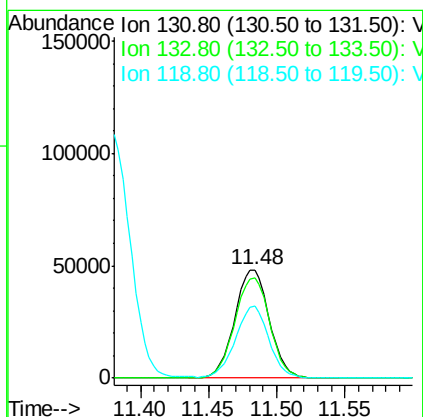
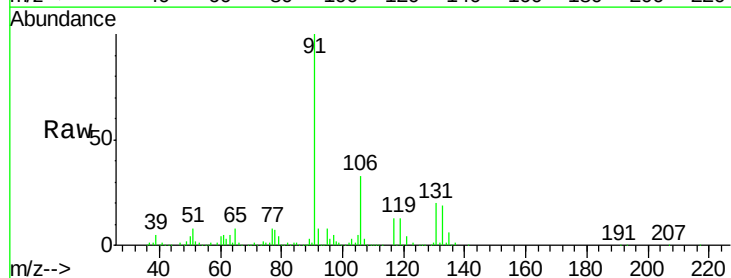
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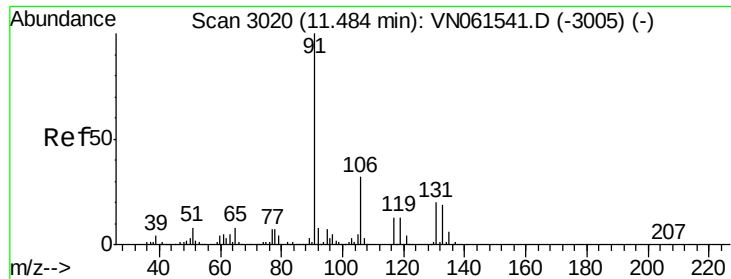
MMDadoda
6/3/2020 11:32:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.879 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion:131 Resp: 84907
Ion Ratio Lower Upper
131 100
133 94.0 47.4 142.2
119 63.5 32.6 97.8





#67

Ethyl Benzene

Concen: 19.150 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampled :

VN0602MBSD01

Tot Ion: 91 Resp: 399768

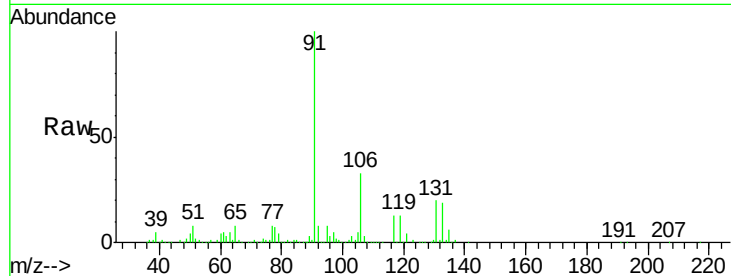
Ion Ratio Lower Upper

91 100

106 33.0 25.6 38.4

Manual Integrations
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MMDadoda
6/3/2020 11:32:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3005) (-)

Ion 106.00 (105.70 to 106.70): VN061541.D (-3005) (-)

300000

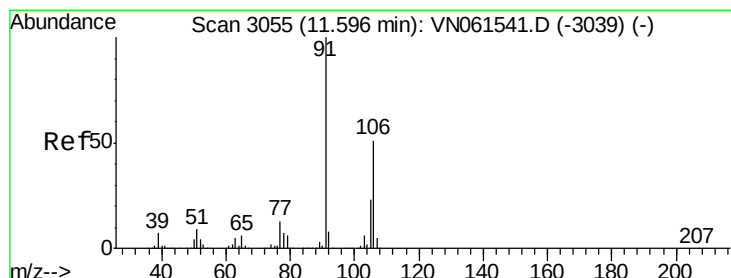
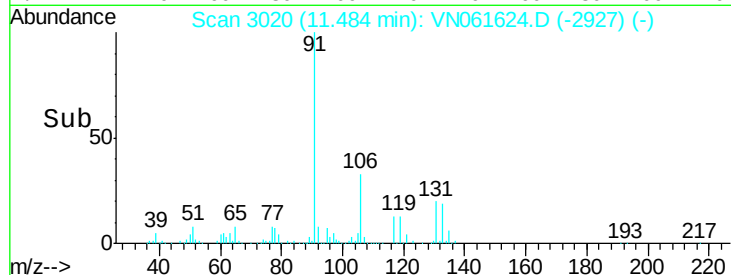
200000

100000

0

11.40 11.50

Time-->



#68

m/p-Xylenes

Concen: 38.303 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061624.D

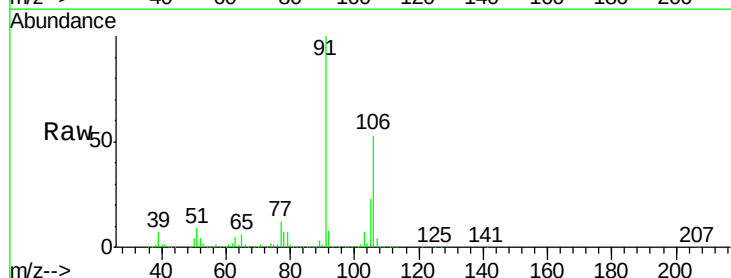
Acq: 2 Jun 2020 17:13

Tgt Ion: 106 Resp: 317052

Ion Ratio Lower Upper

106 100

91 192.4 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): VN061541.D (-3039) (-)

Ion 91.00 (90.70 to 91.70): VN061541.D (-3039) (-)

300000

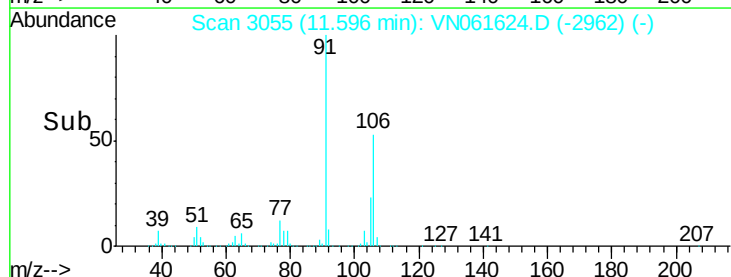
200000

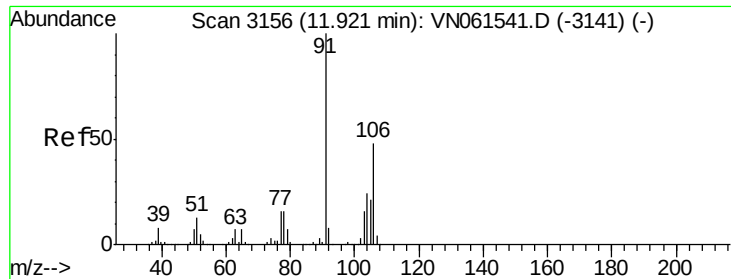
100000

0

11.50 11.60 11.70

Time-->





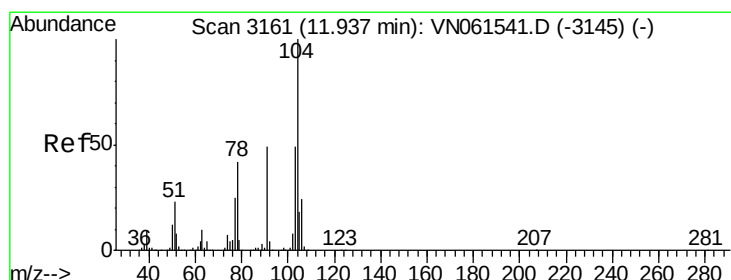
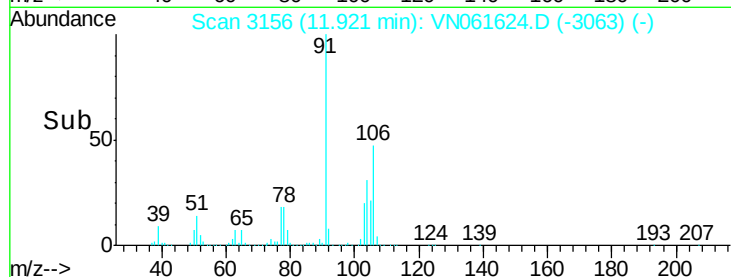
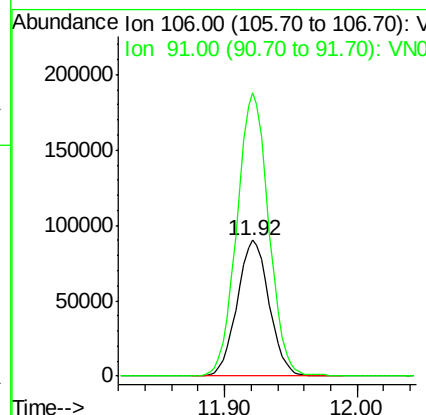
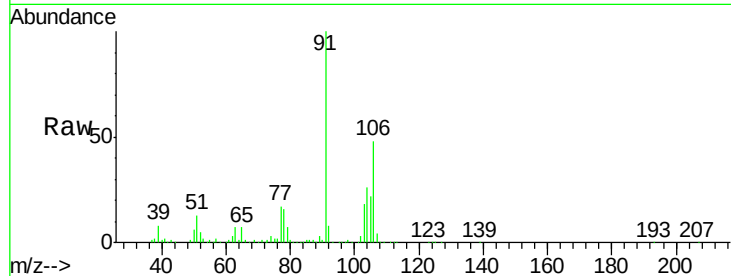
#69
o-Xylene
Concen: 19.282 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.6	103.3	309.8

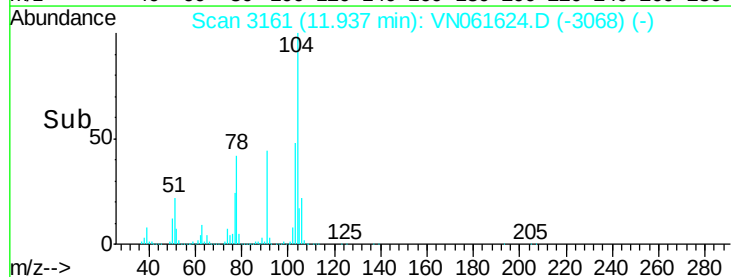
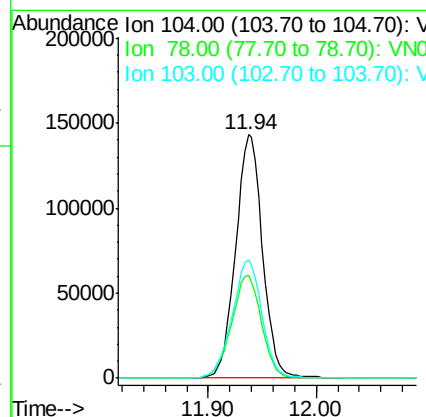
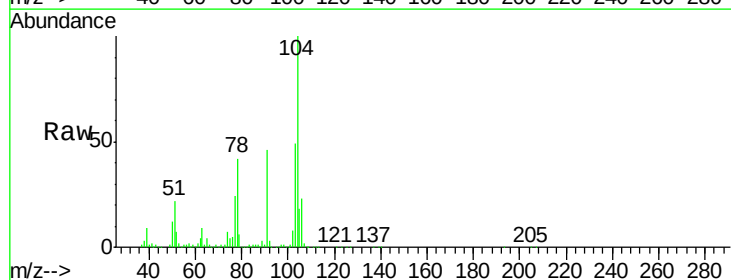
Manual Integrations
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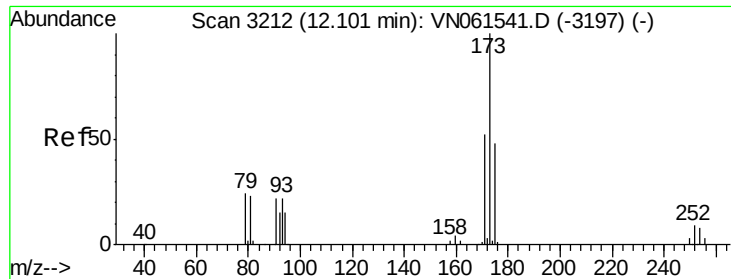
MMDadoda
6/3/2020 11:32:30 AM



#70
Styrene
Concen: 19.131 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.6	37.4	56.0
103	53.6	42.3	63.5





#71

Bromoform

Concen: 17.153 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampled :

VN0602MBSD01

Tot Ion:173 Resp: 59443

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.2

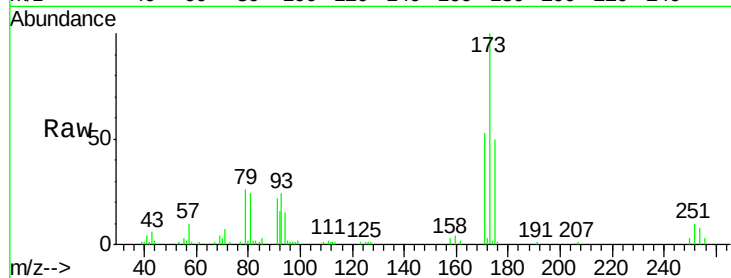
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

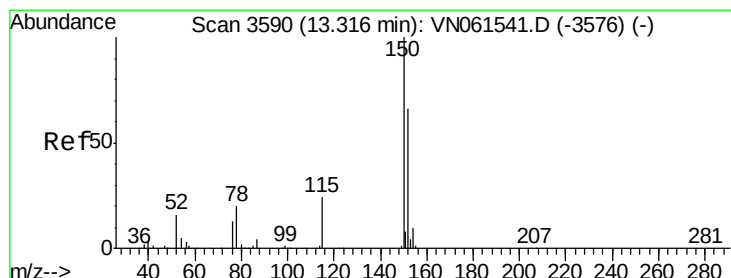
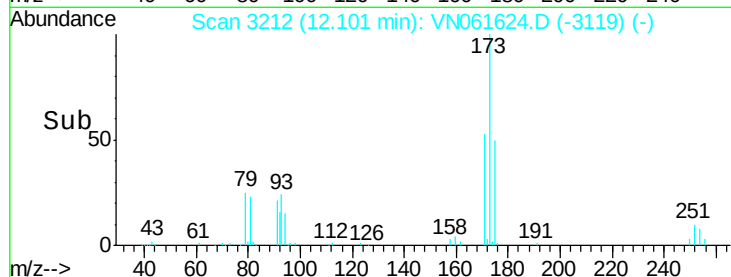
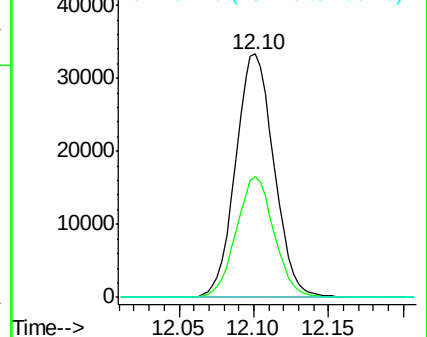
6/3/2020 11:32:30 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

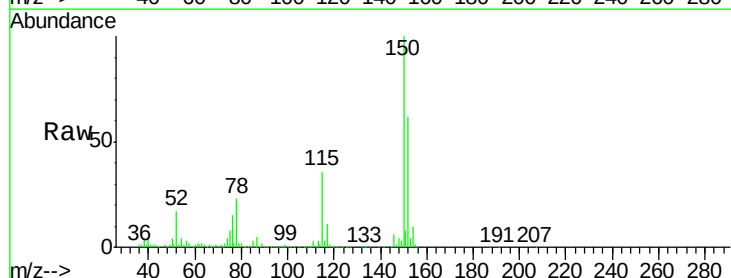
Tgt Ion:152 Resp: 278534

Ion Ratio Lower Upper

152 100

115 57.0 28.0 84.0

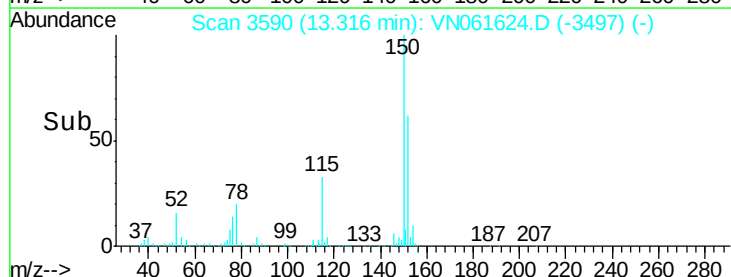
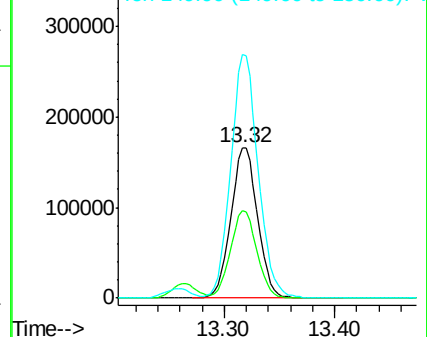
150 165.4 0.0 344.0

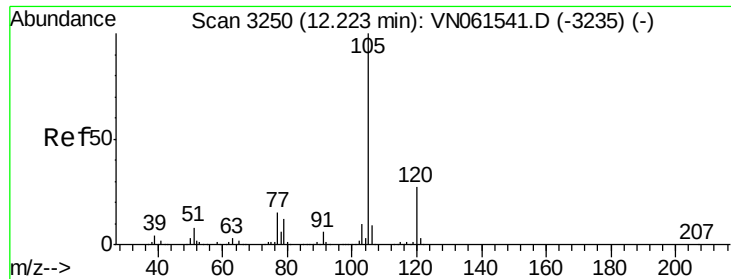


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





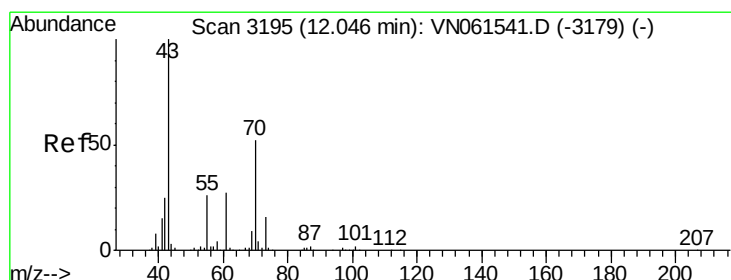
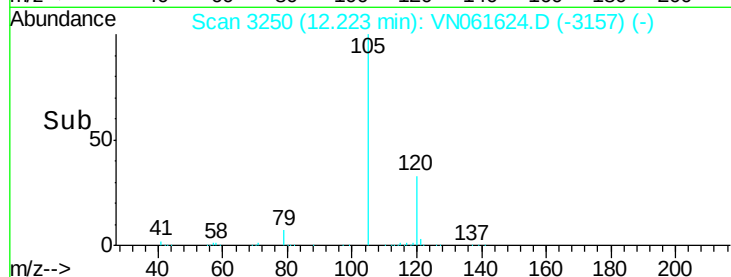
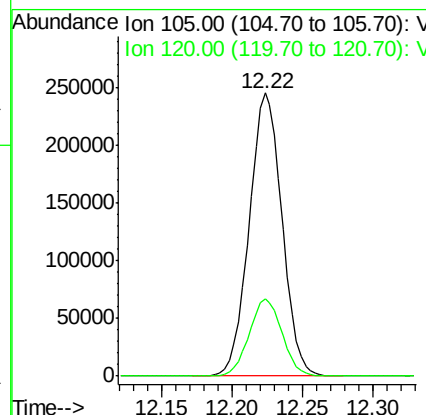
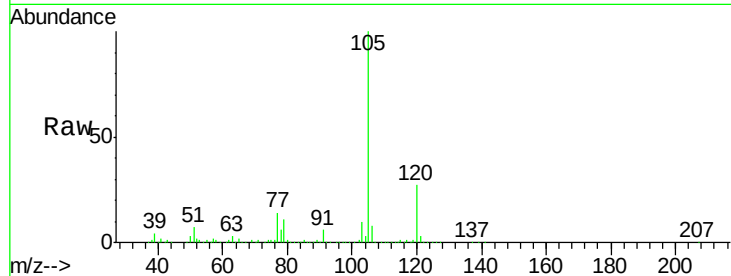
#73
Isopropylbenzene
Concen: 19.656 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	399586		
120	27.4		13.8	41.3

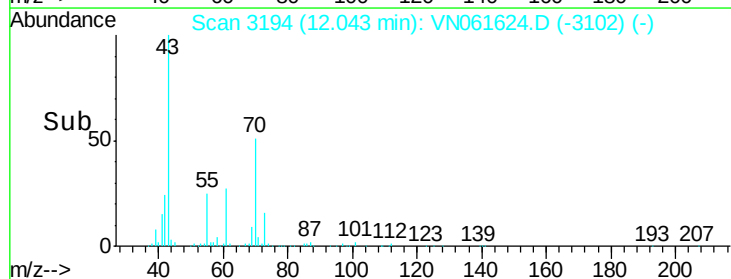
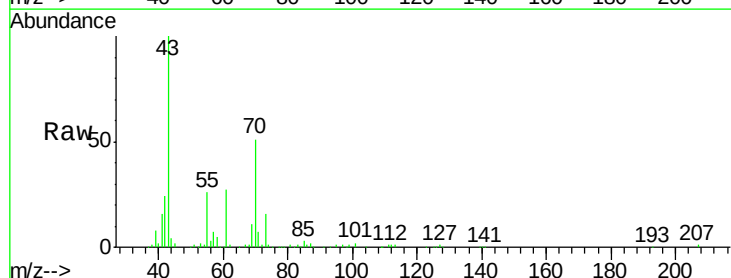
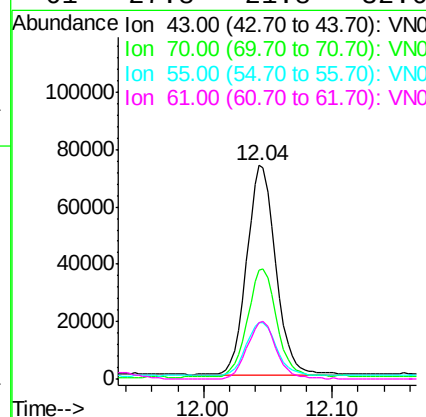
Manual Integrations
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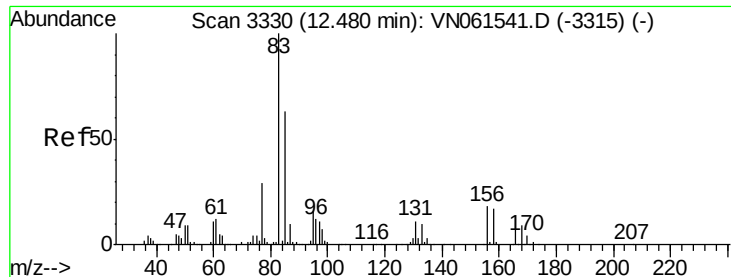
MMDadoda
6/3/2020 11:32:30 AM



#74
N-ethyl acetate
Concen: 17.783 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	113850		
70	52.2		40.5	60.7
55	26.6		20.6	31.0
61	27.8		21.8	32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.544 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

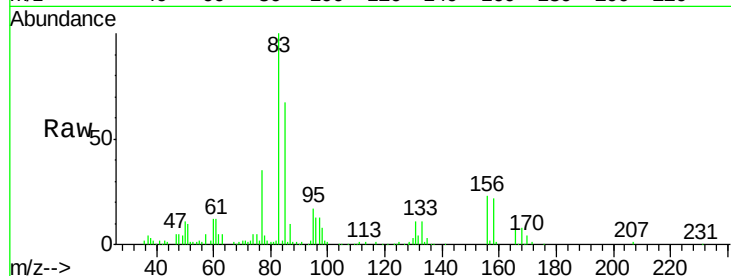
ClientSampleId :

VN0602MBSD01

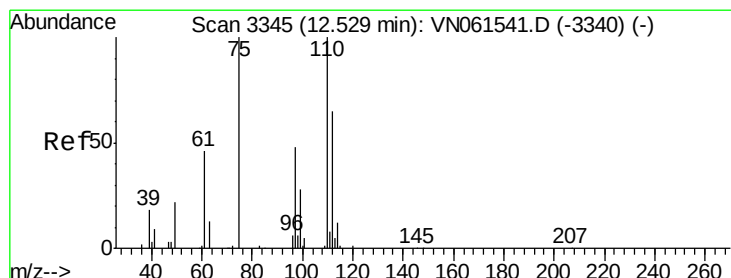
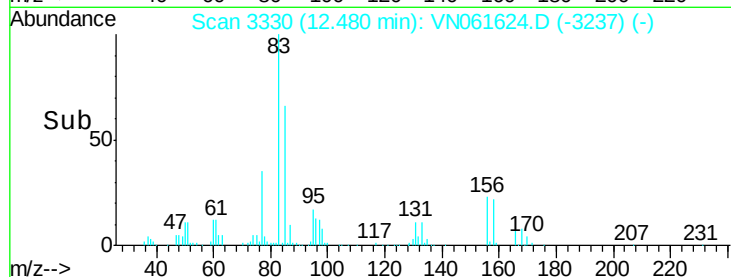
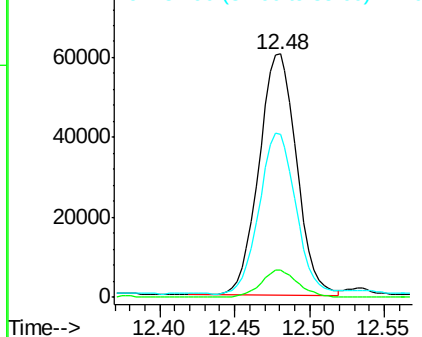
Tot Ion:	83	Resp:	105644
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.5
85	65.0	32.1	96.3

Manual Integrations
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6/3/2020 11:32:30 AM



Abundance Ion 82.90 (82.60 to 83.60): VN061624.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 17.989 ug/l m

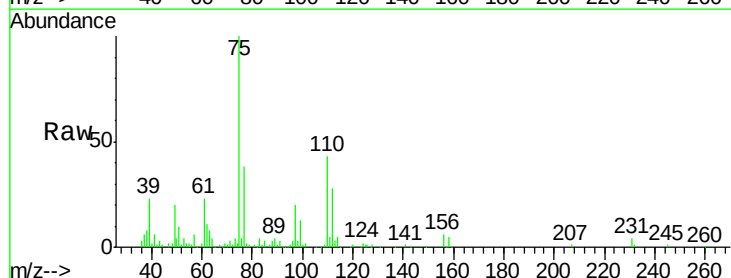
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

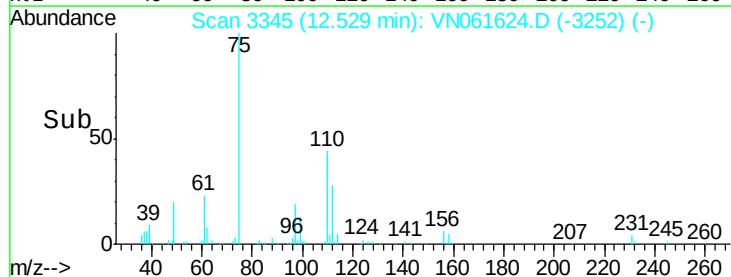
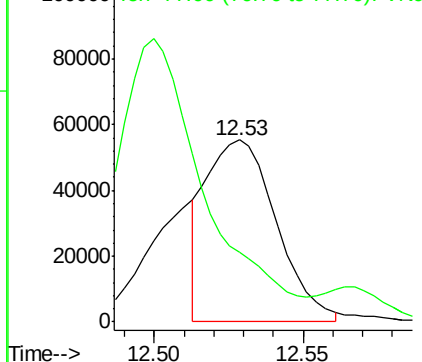
Lab File: VN061624.D

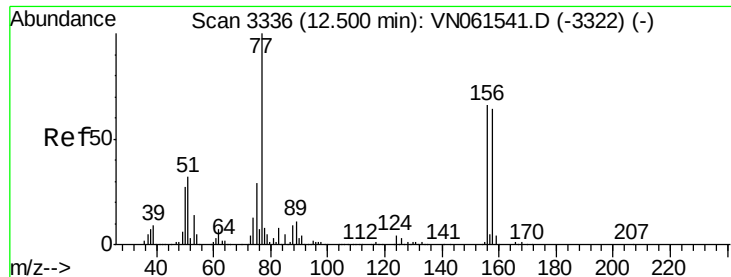
Acq: 2 Jun 2020 17:13

Tgt Ion:	75	Resp:	91112
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061624.D (-3252) (-)





#77

Bromobenzene

Concen: 19.298 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

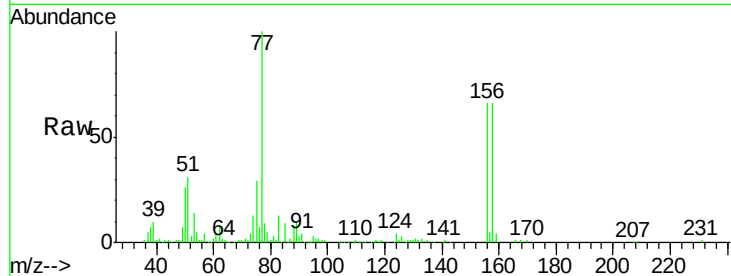
ClientSampleId :

VN0602MBSD01

Tot Ion:	156	Resp:	100143
Ion Ratio	Lower	Upper	
156	100		
77	179.5	90.9	272.7
158	97.2	48.4	145.3

Manual Integrations
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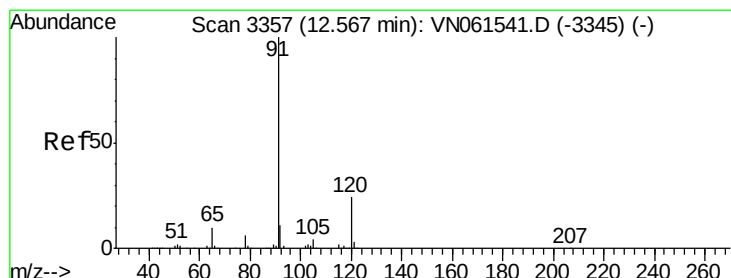
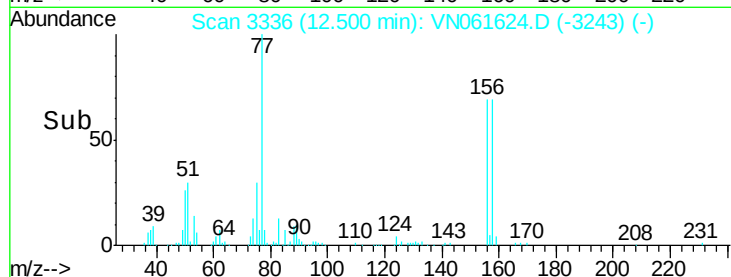
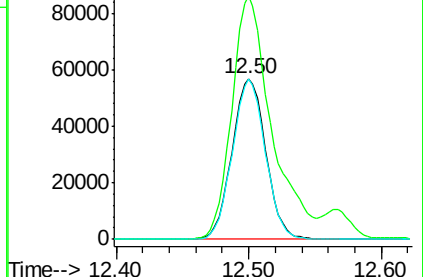
MMDadoda
6/3/2020 11:32:30 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.301 ug/l

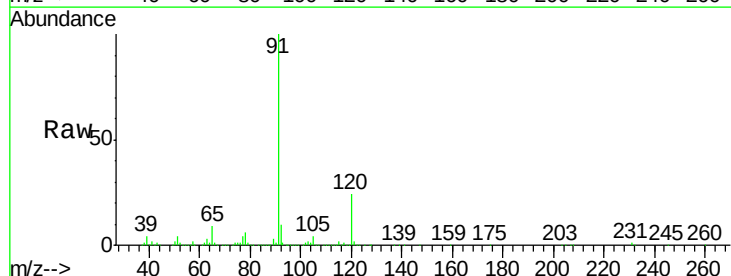
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061624.D

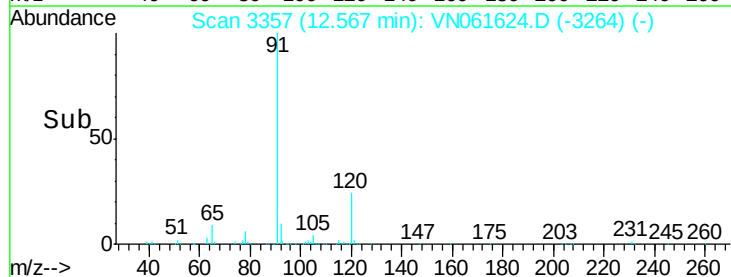
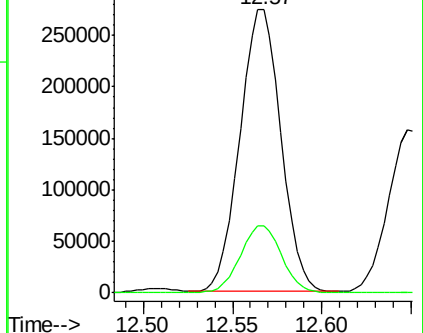
Acq: 2 Jun 2020 17:13

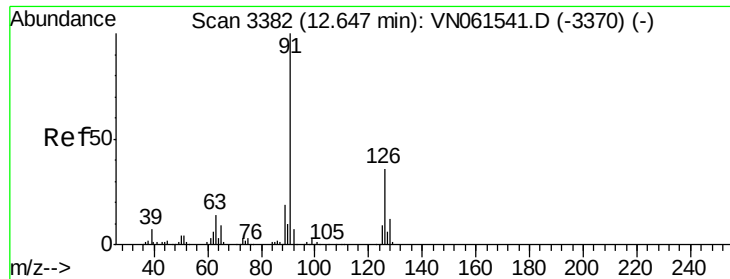
Tgt Ion:	91	Resp:	438047
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





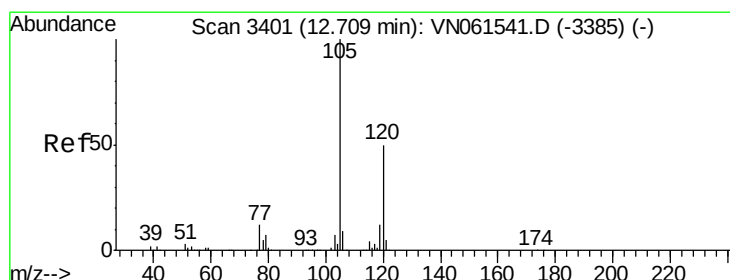
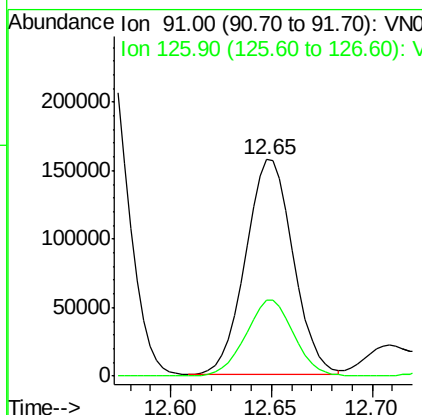
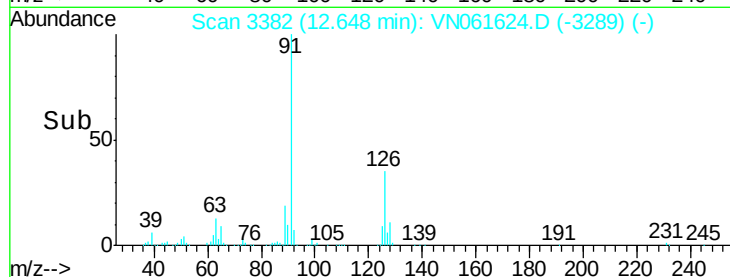
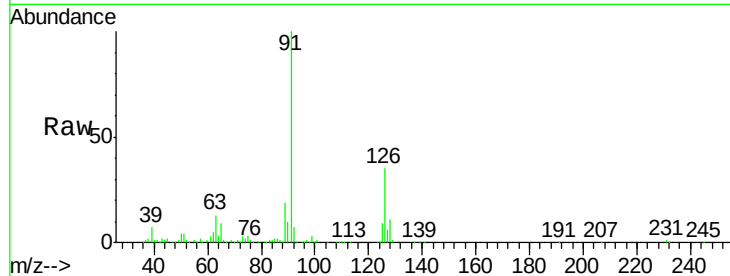
#79
 2-Chlorotoluene
 Concen: 19.184 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion: 91 Resp: 259606
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.7

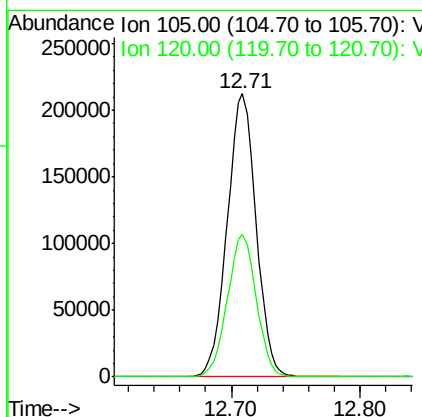
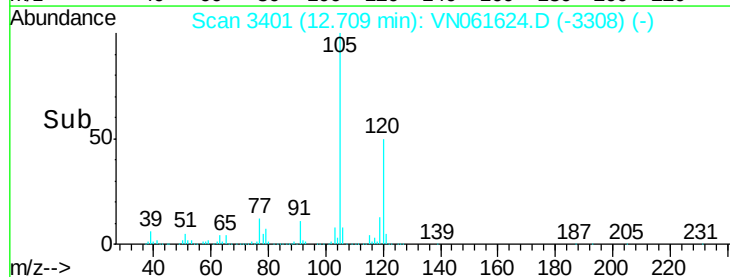
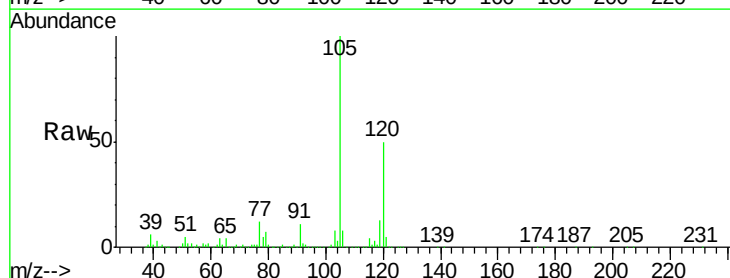
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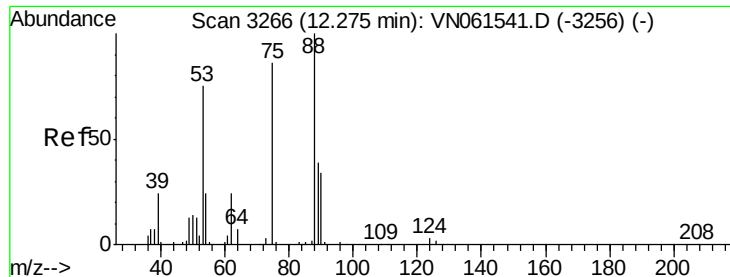
MMDadoda
 6/3/2020 11:32:30 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.321 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion: 105 Resp: 328286
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.753 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

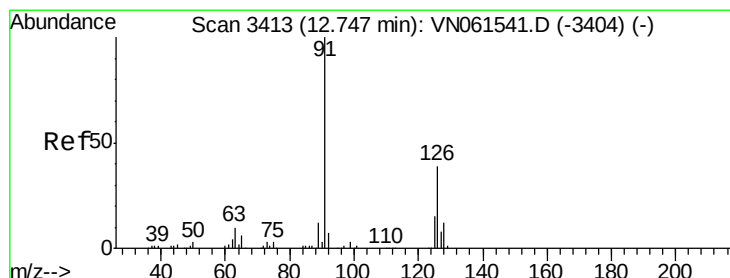
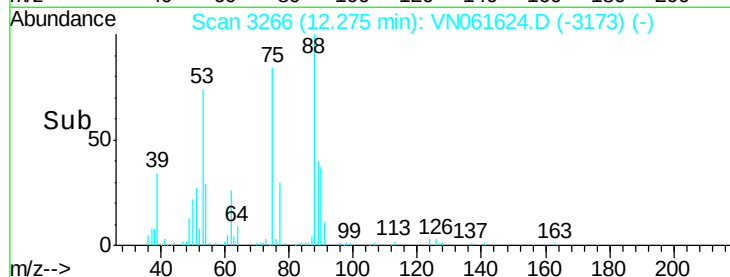
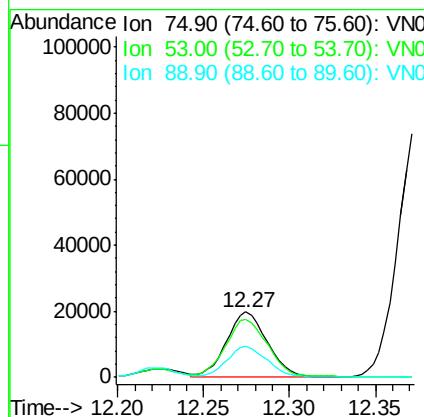
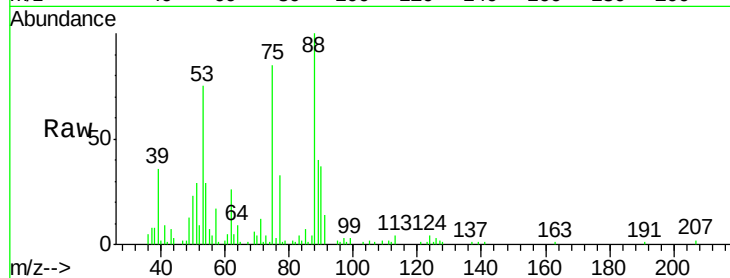
ClientSampled :

VN0602MBSD01

Tot Ion	75	Resp	33181
Ion	Ratio	Lower	Upper
75	100		
53	90.1	67.8	101.8
89	47.0	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.824 ug/l

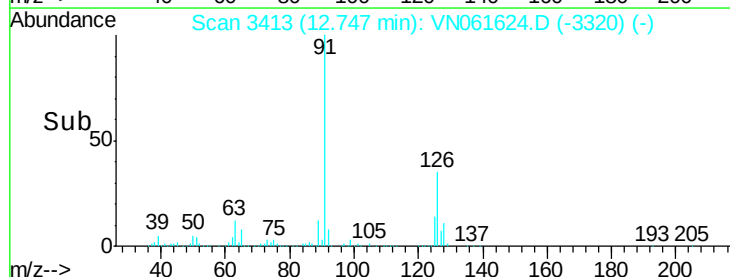
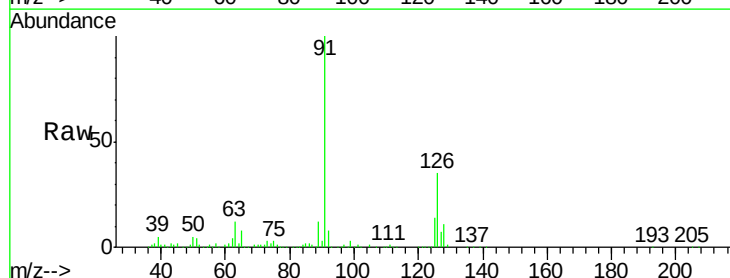
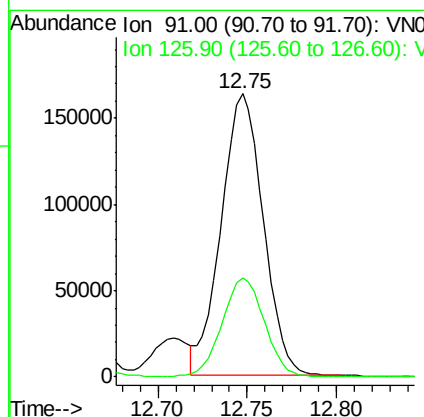
RT: 12.75 min Scan# 3413

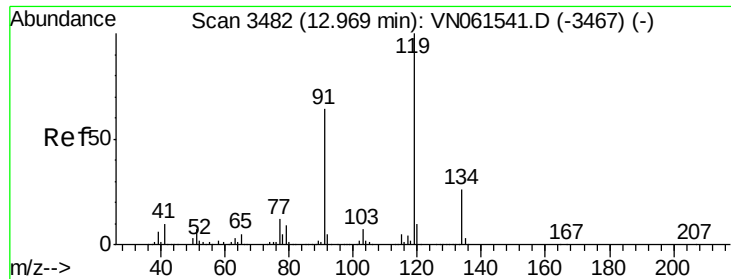
Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Tgt Ion	91	Resp	267995
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





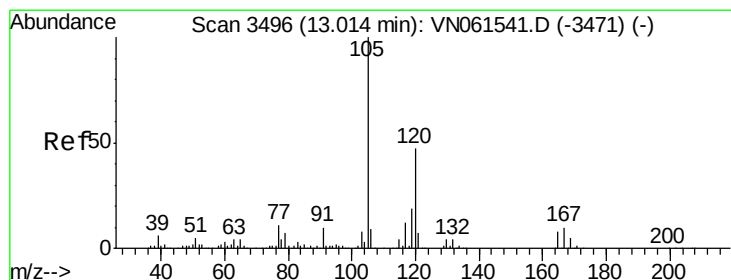
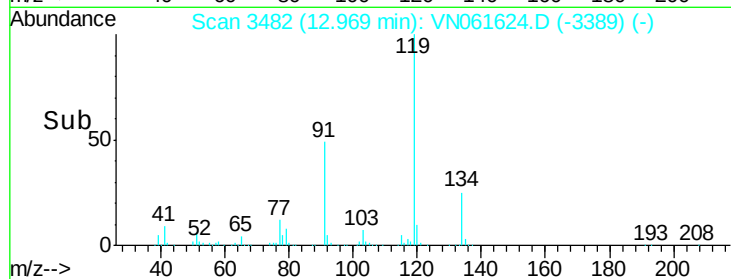
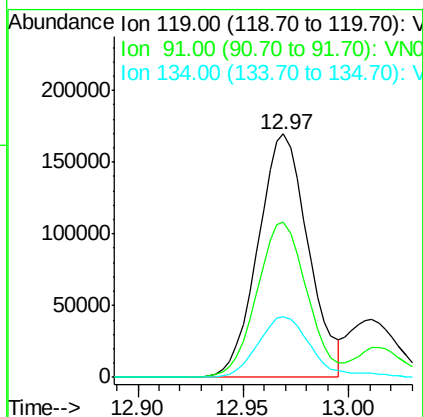
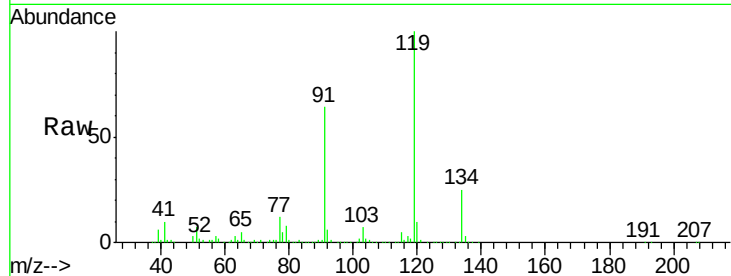
#83
 tert-Butylbenzene
 Concen: 18.692 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0602MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	280615		
91	63.8		31.3	93.8
134	26.9		13.5	40.4

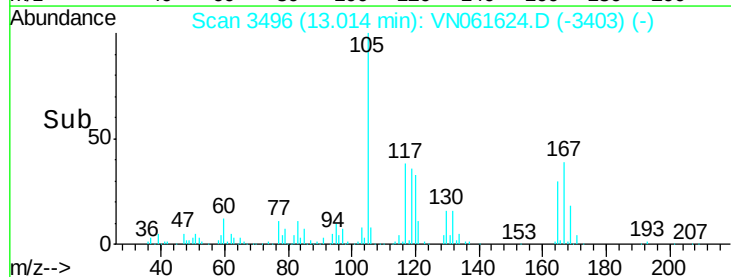
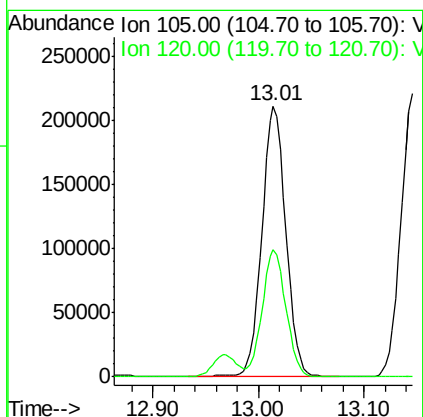
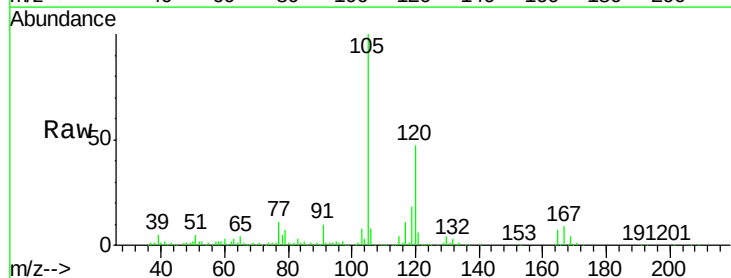
Manual Integrations
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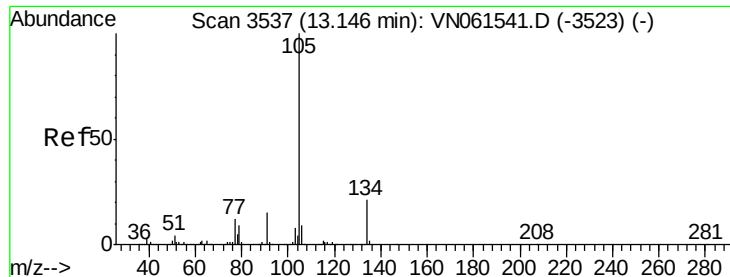
MMDadoda
 6/3/2020 11:32:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.734 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	333107		
120	46.6		23.2	69.5





#85

sec-Butylbenzene

Concen: 18.454 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

ClientSampleId :

VN0602MBSD01

Tot Ion:105 Resp: 356990

Ion Ratio Lower Upper

105 100

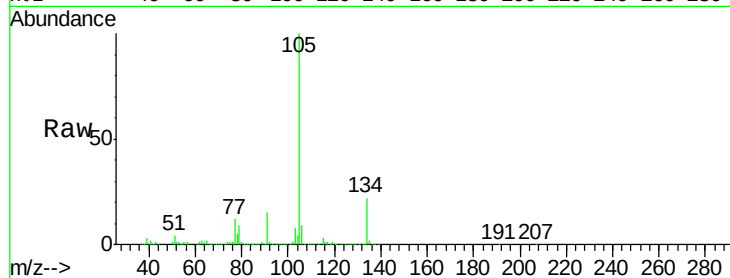
134 21.4 10.7 31.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

250000

200000

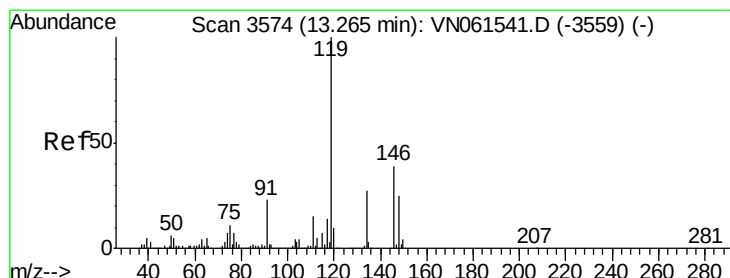
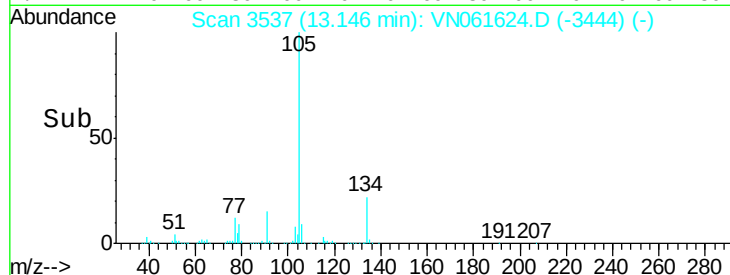
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 18.764 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

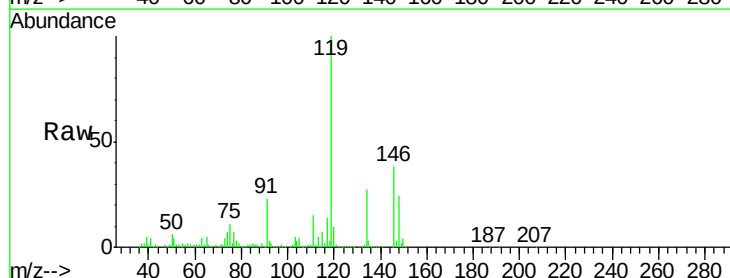
Tgt Ion:119 Resp: 334292

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 22.6 11.4 34.1



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

300000

250000

200000

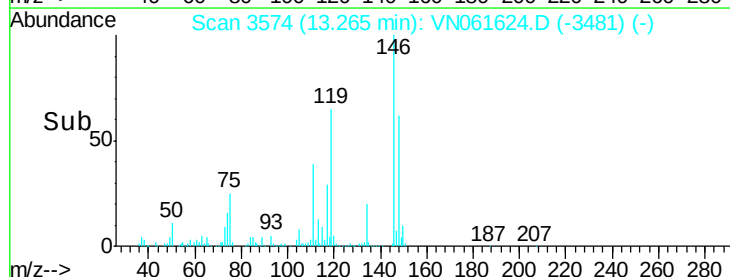
150000

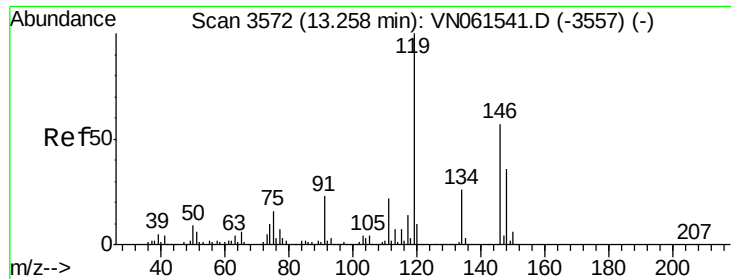
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





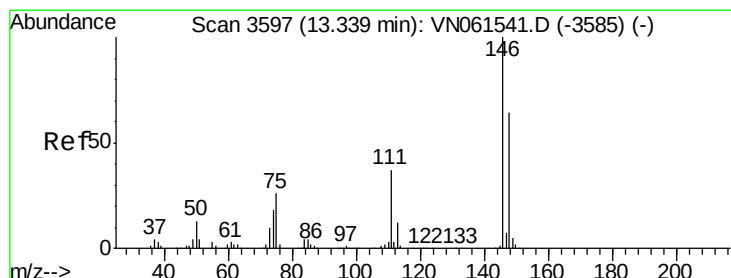
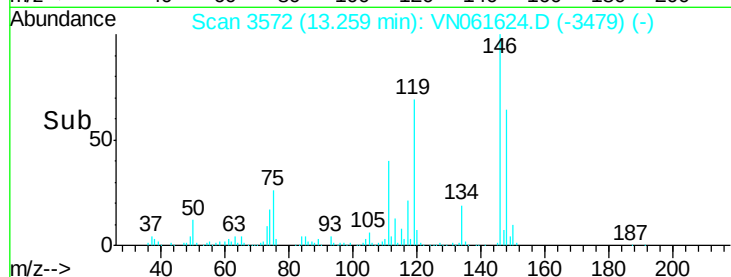
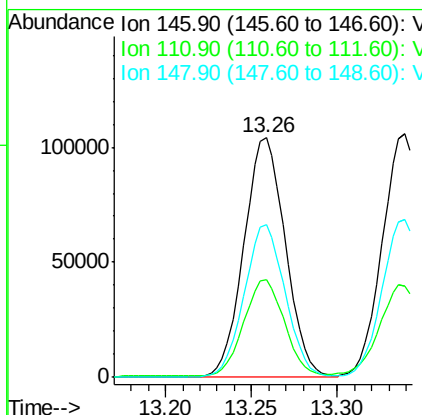
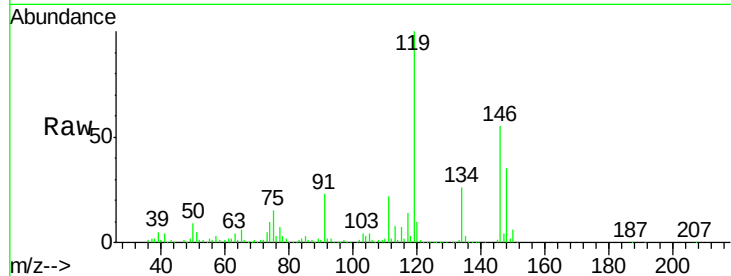
#87
 1,3-Dichlorobenzene
 Concen: 18.963 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.2	57.6
148	63.0	31.7	95.1

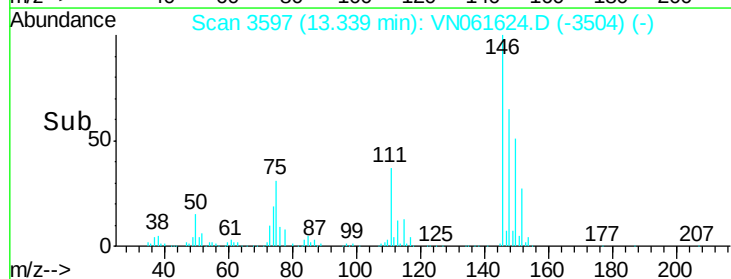
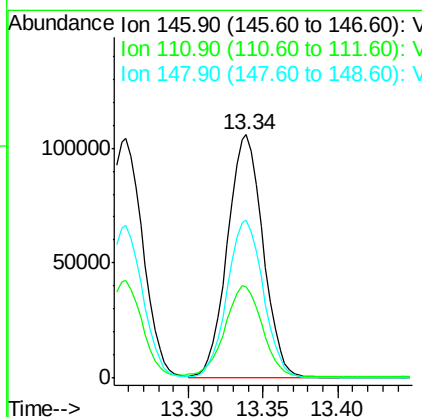
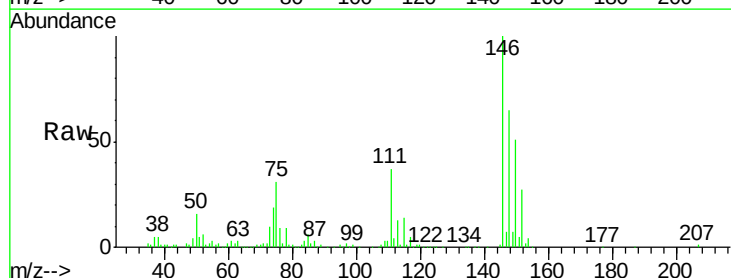
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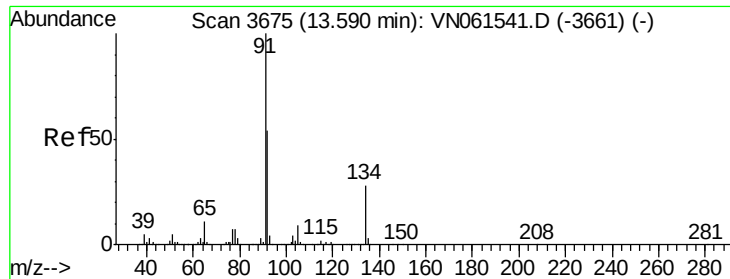
MMDadoda
 6/3/2020 11:32:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.727 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.9	56.9
148	66.2	31.8	95.3





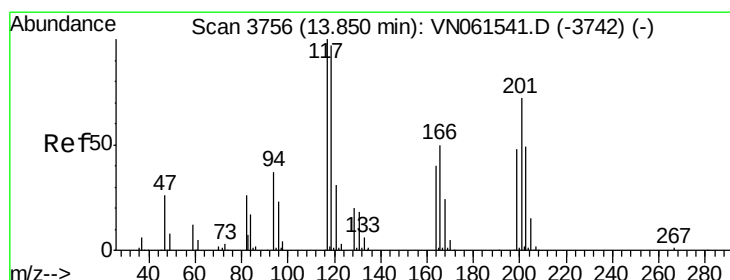
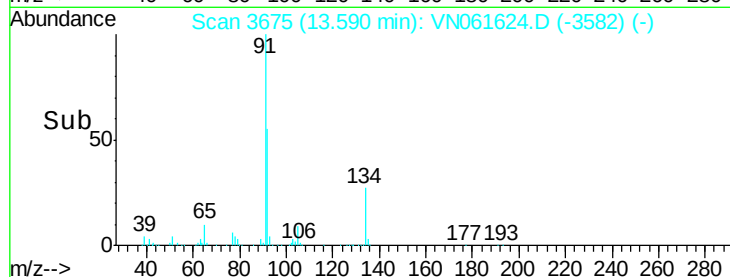
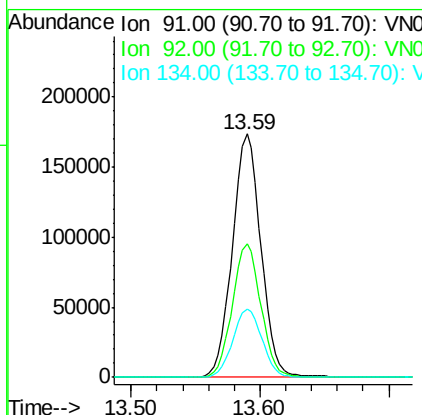
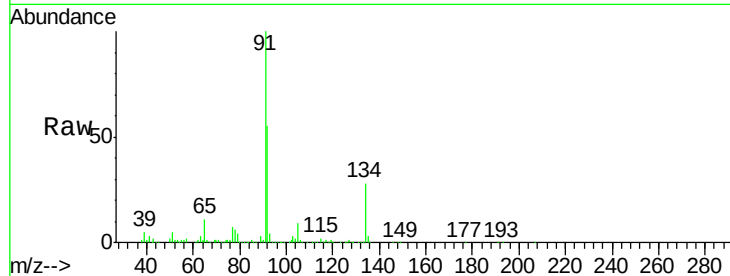
#89
n-Butylbenzene
Concen: 17.804 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Instrument :
MSVOA_N
ClientSampled :
VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.2	81.6
134	29.0	14.0	42.0

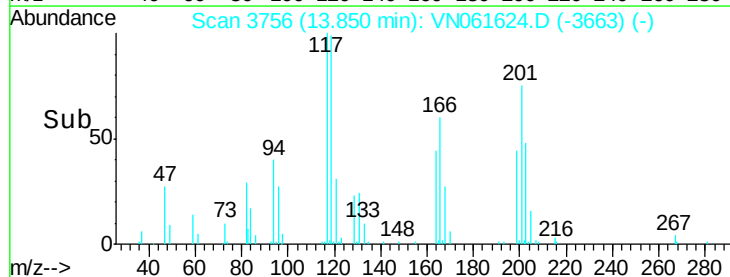
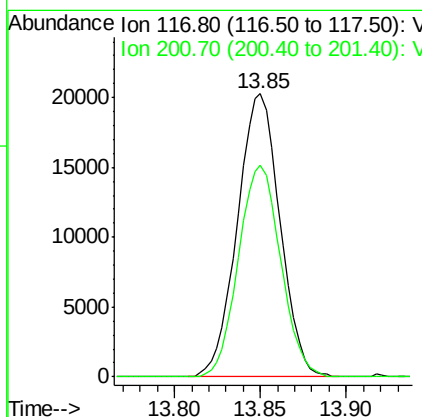
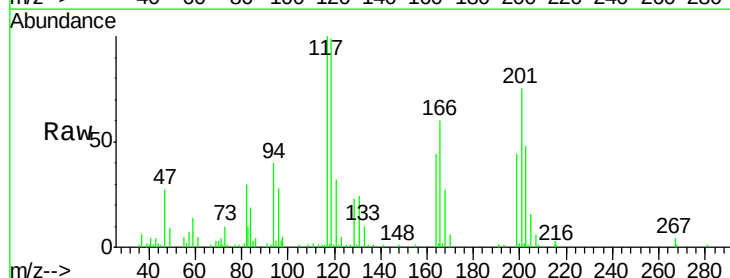
Manual Integrations
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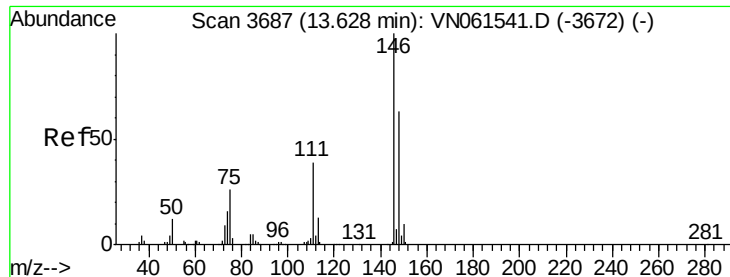
MMDadoda
6/3/2020 11:32:30 AM



#90
Hexachloroethane
Concen: 17.671 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061624.D
Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	36.7	110.1





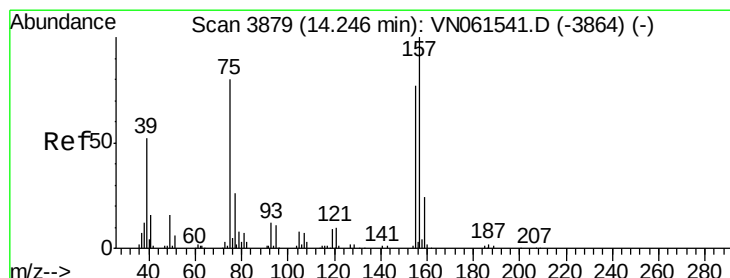
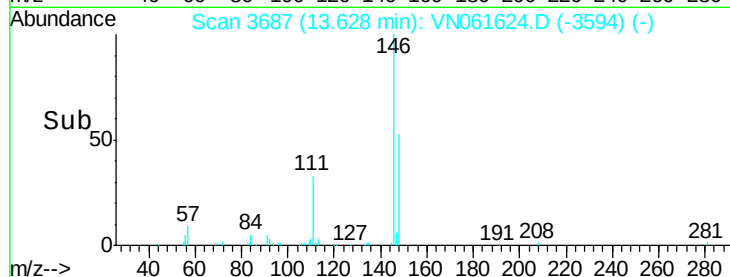
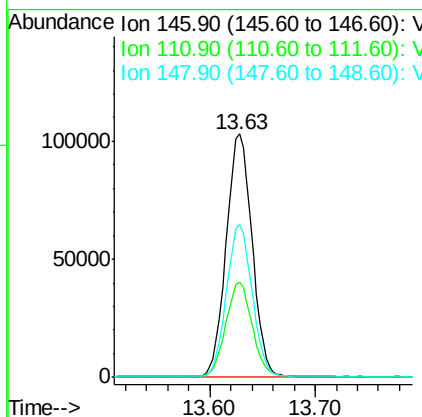
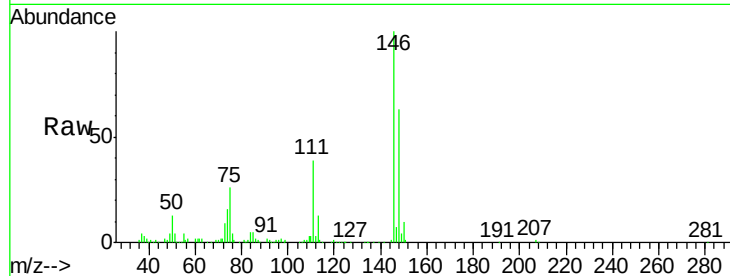
#91
 1,2-Dichlorobenzene
 Concen: 20.002 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.1	60.2
148	62.4	31.9	95.5

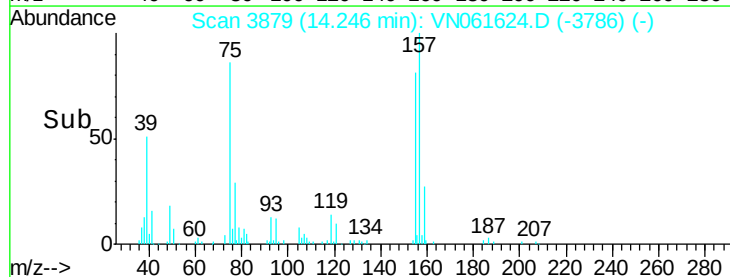
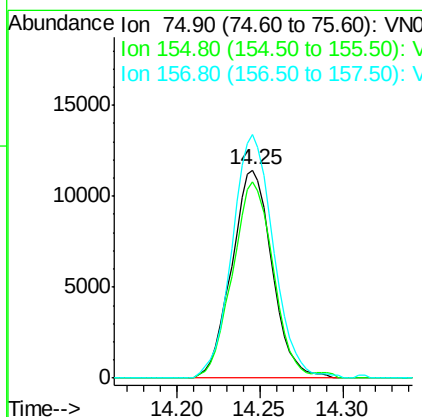
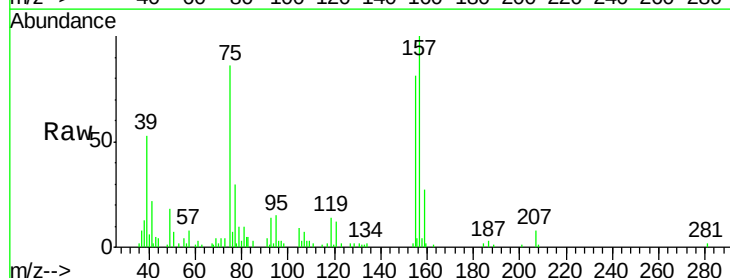
Manual Integrations
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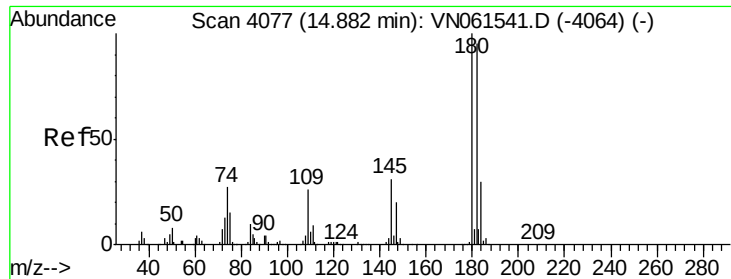
MMDadoda
 6/3/2020 11:32:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.721 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	47.1	141.4
157	119.5	60.3	180.8





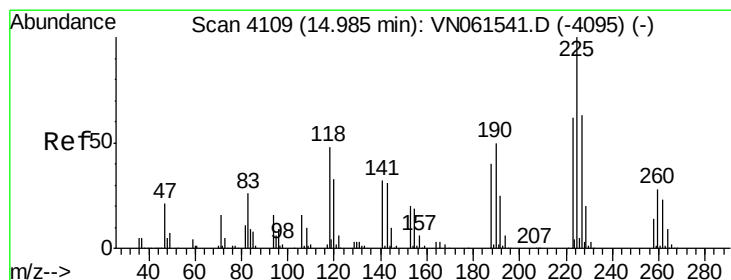
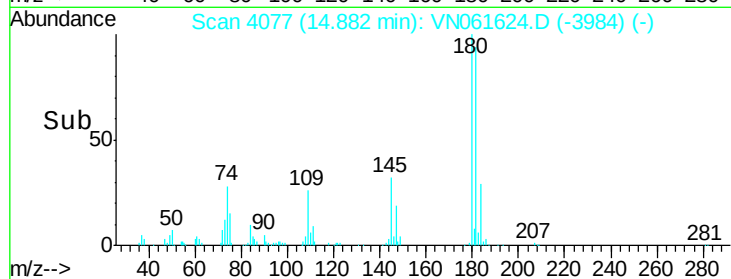
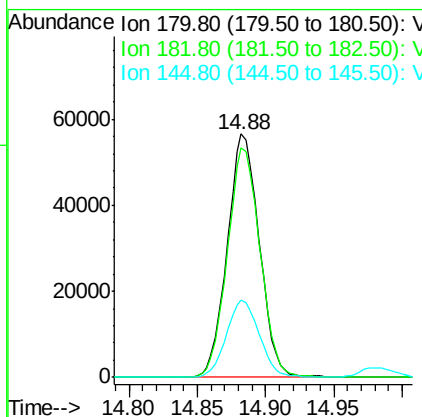
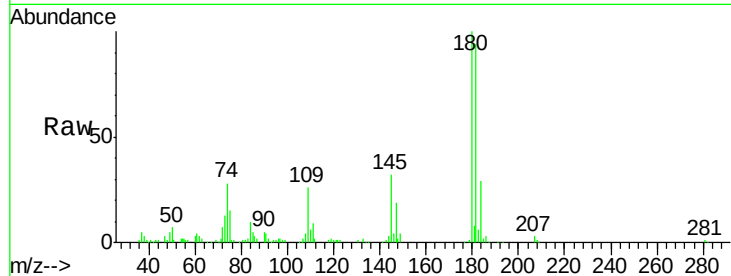
#93
 1,2,4-Trichlorobenzene
 Concen: 17.999 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0602MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	32.7	15.5	46.5

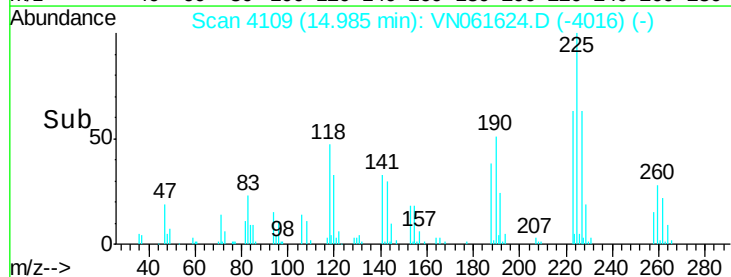
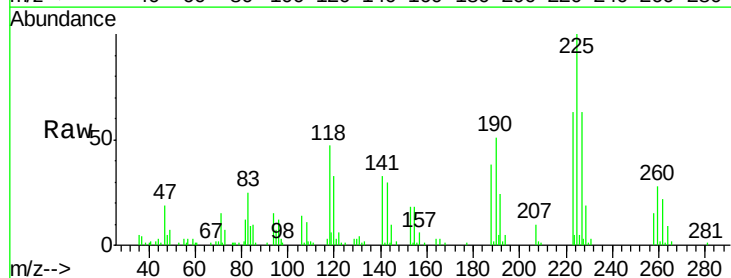
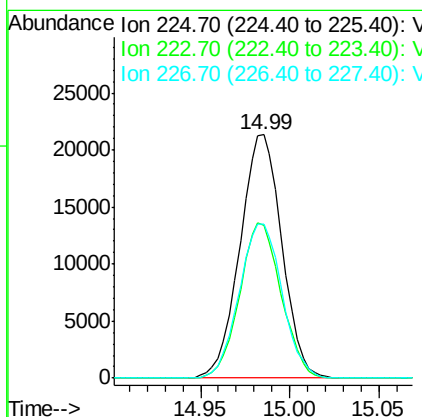
Manual Integrations
 APPROVED

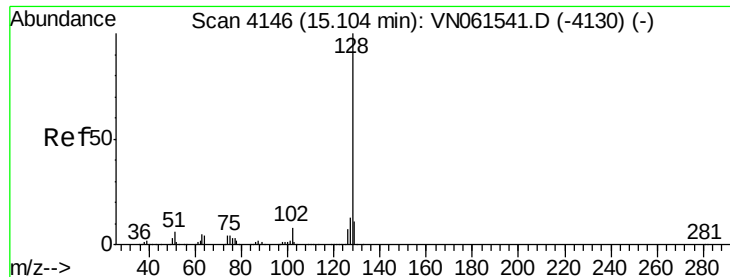
MMDadoda
 6/3/2020 11:32:30 AM



#94
 Hexachlorobutadiene
 Concen: 15.917 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061624.D
 Acq: 2 Jun 2020 17:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	64.8	31.9	95.9





#95

Naphthalene

Concen: 18.699 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Instrument :

MSVOA_N

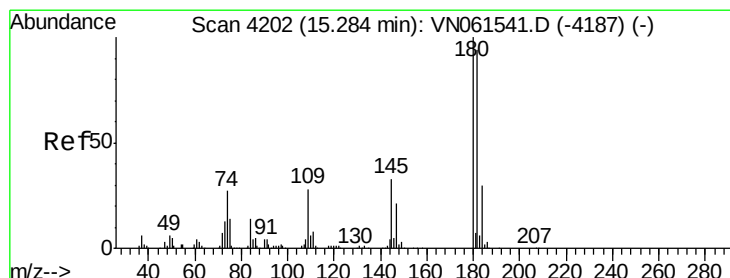
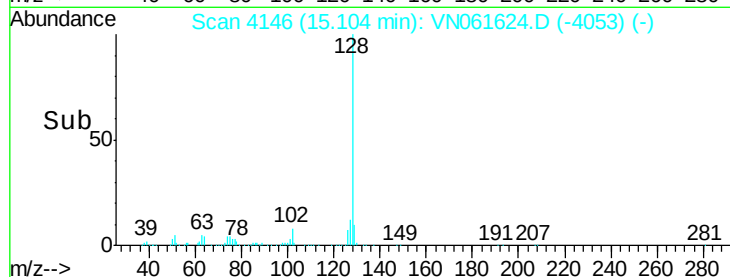
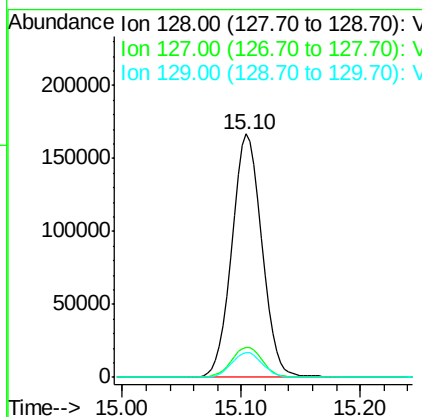
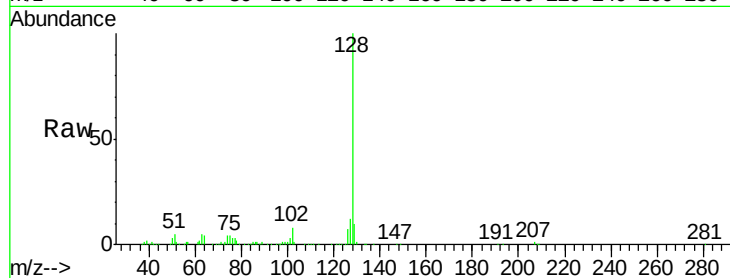
ClientSampleId :

VN0602MBSD01

Tot Ion:	128	Resp:	292310
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.0	15.0
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/3/2020 11:32:30 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.549 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061624.D

Acq: 2 Jun 2020 17:13

Tgt Ion:	180	Resp:	93665
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.1	141.3
145	32.8	16.3	48.9

