

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060546.D
 Acq On : 17 Mar 2020 11:05
 Operator : JC/MD
 Sample : VN0317WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 5:34:54 PM

Quant Time: Mar 18 06:59:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	210876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	342634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131268	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.56	113	99510	62.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.14%	
50) Toluene-d8	10.08	98	386840	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	142385	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27672	14.313	ug/l	99
3) Chloromethane	2.04	50	52624	15.633	ug/l	98
4) Vinyl Chloride	2.16	62	41312	14.311	ug/l	98
5) Bromomethane	2.54	94	19374	14.990	ug/l	99
6) Chloroethane	2.69	64	26342	16.841	ug/l	96
7) Trichlorofluoromethane	3.00	101	61212	16.596	ug/l	100
8) Diethyl Ether	3.38	74	25341	18.197	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37599	18.012	ug/l	99
10) Methyl Iodide	3.93	142	26691	14.011	ug/l	99
11) Tert butyl alcohol	4.72	59	37966	94.503	ug/l	98
12) 1,1-Dichloroethene	3.71	96	35879	17.660	ug/l	99
13) Acrolein	3.58	56	31243	83.362	ug/l	99
14) Allyl chloride	4.29	41	64144	17.172	ug/l	96
15) Acrylonitrile	4.94	53	107223	101.257	ug/l	99
16) Acetone	3.78	43	102071	116.825	ug/l	99
17) Carbon Disulfide	4.03	76	82054	14.766	ug/l	98
18) Methyl Acetate	4.29	43	57563	19.742	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	138867	18.879	ug/l	97
20) Methylene Chloride	4.52	84	42114	17.551	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	38012	17.184	ug/l	98
22) Diisopropyl ether	5.91	45	152294	20.128	ug/l	98
23) Vinyl Acetate	5.86	43	591386	98.360	ug/l	98
24) 1,1-Dichloroethane	5.81	63	82570	19.278	ug/l	99
25) 2-Butanone	6.80	43	150338	106.528	ug/l	99
26) 2,2-Dichloropropane	6.79	77	71744	18.400	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47715	17.149	ug/l	97
28) Bromochloromethane	7.17	49	34399	19.561	ug/l	92
29) Tetrahydrofuran	7.18	42	97235	99.083	ug/l	97
30) Chloroform	7.35	83	80393	18.855	ug/l	100
31) Cyclohexane	7.63	56	69052	18.035	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	66728	17.664	ug/l	98
36) 1,1-Dichloropropene	7.77	75	55600	17.027	ug/l	99
37) Ethyl Acetate	6.89	43	62931	20.353	ug/l	99
38) Carbon Tetrachloride	7.75	117	52592	16.542	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	63258	16.430	ug/l	97
40) Benzene	8.02	78	175623	18.478	ug/l	99
41) Methacrylonitrile	7.14	41	27787m	19.463	ug/l	
42) 1,2-Dichloroethane	8.10	62	62894	18.338	ug/l	99
43) Isopropyl Acetate	8.14	43	105876	19.559	ug/l	99
44) Trichloroethene	8.82	130	46083	17.409	ug/l	98
45) 1,2-Dichloropropane	9.10	63	49381	19.872	ug/l	99
46) Dibromomethane	9.19	93	29196	18.107	ug/l	98
47) Bromodichloromethane	9.39	83	62101	18.937	ug/l	97
48) Methyl methacrylate	9.18	41	45690	18.510	ug/l	98
49) 1,4-Dioxane	9.18	88	12291	354.077	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	309229	100.755	ug/l	99
52) Toluene	10.14	92	106309	17.806	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	71416	17.773	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	77887	18.706	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	43601	18.160	ug/l	99
56) Ethyl methacrylate	10.42	69	64768	18.777	ug/l	95
57) 1,3-Dichloropropane	10.70	76	74640	19.063	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	169597	94.012	ug/l	98
59) 2-Hexanone	10.74	43	220900	98.029	ug/l	100
60) Dibromochloromethane	10.89	129	45552	18.656	ug/l	100
61) 1,2-Dibromoethane	10.99	107	41776	17.849	ug/l	100
64) Tetrachloroethene	10.62	164	43983	17.111	ug/l	99
65) Chlorobenzene	11.43	112	111131	17.775	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	42929	18.570	ug/l	99
67) Ethyl Benzene	11.50	91	206331	18.122	ug/l	99
68) m/p-Xylenes	11.61	106	151167	35.190	ug/l	99
69) o-Xylene	11.94	106	74431	18.170	ug/l	98
70) Styrene	11.96	104	118313	17.567	ug/l	100
71) Bromoform	12.12	173	30483	18.296	ug/l #	98
73) Isopropylbenzene	12.24	105	199752	18.827	ug/l	99
74) N-amyl acetate	12.06	43	87372	18.846	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61213	21.225	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55308m	17.611	ug/l	
77) Bromobenzene	12.52	156	47216	18.155	ug/l	96
78) n-propylbenzene	12.59	91	229456	18.450	ug/l	99
79) 2-Chlorotoluene	12.67	91	137857	18.858	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	165117	18.484	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21899	19.248	ug/l #	85
82) 4-Chlorotoluene	12.77	91	142377	18.485	ug/l	97
83) tert-Butylbenzene	12.99	119	141168	18.253	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	165813	18.390	ug/l	99
85) sec-Butylbenzene	13.17	105	189425	18.290	ug/l	99
86) p-Isopropyltoluene	13.28	119	167123	17.434	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	83656	18.601	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	83142	18.494	ug/l	99
89) n-Butylbenzene	13.61	91	151364	17.201	ug/l	99
90) Hexachloroethane	13.87	117	23785	17.142	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	79771	17.505	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12105	18.535	ug/l	93

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48052	16.654	ug/l	98
94) Hexachlorobutadiene	15.01	225	25909	19.111	ug/l	97
95) Naphthalene	15.13	128	134796	15.618	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47200	17.189	ug/l	98

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

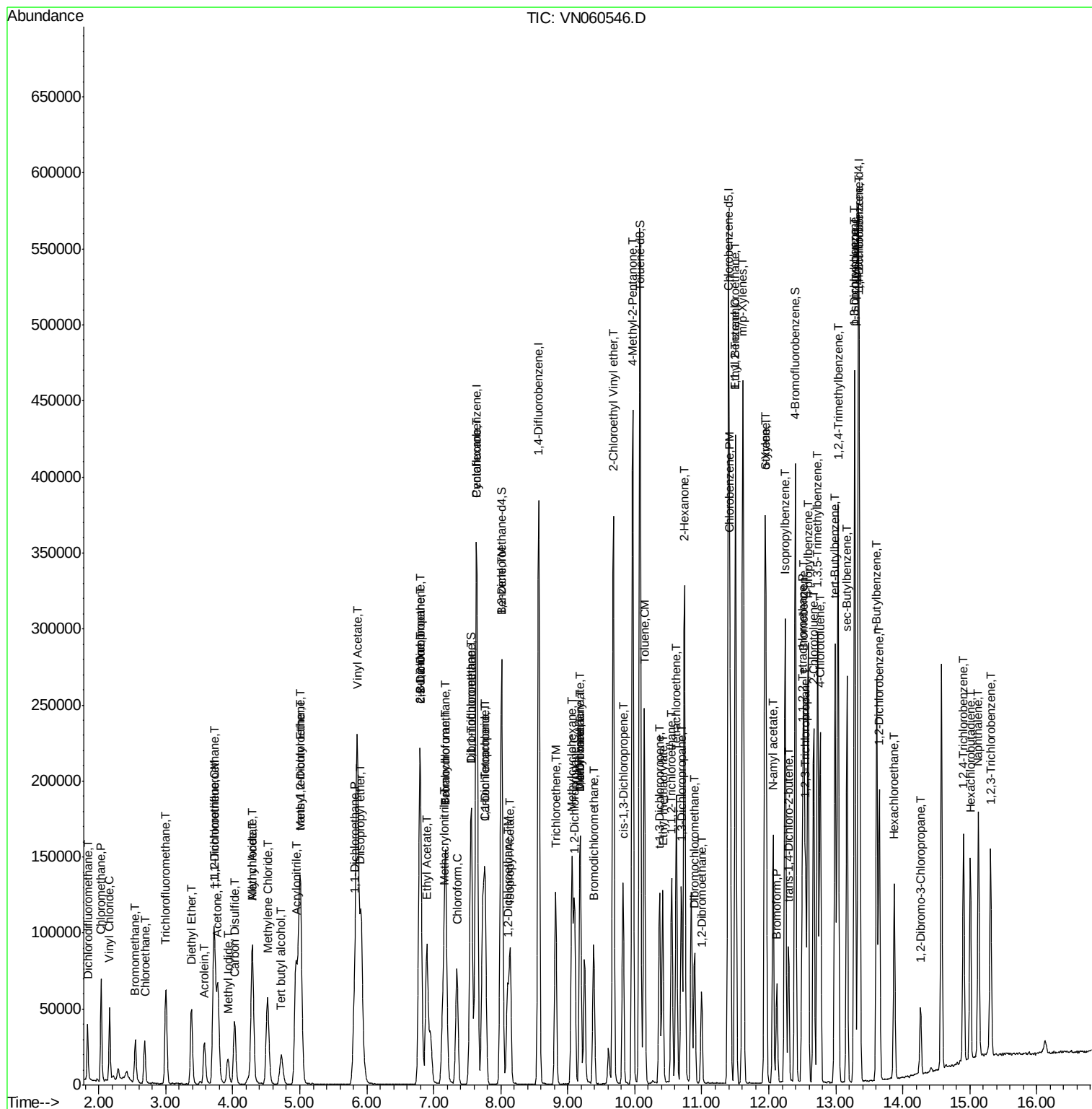
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031720\
Data File : VN060546.D
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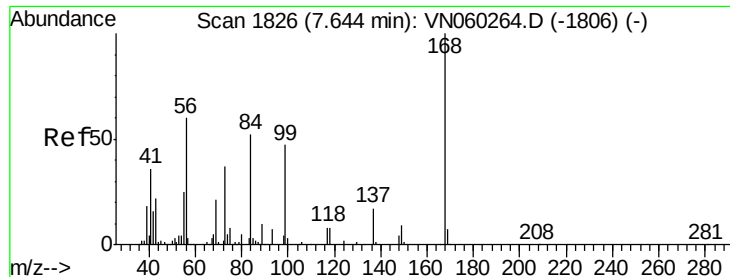
Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBS01

Tot Ion:168 Resp: 210876

Ion Ratio Lower Upper

168 100

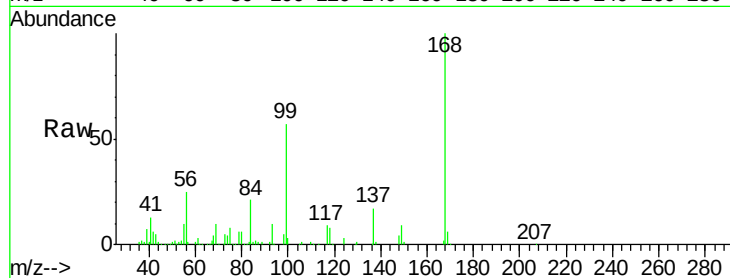
99 56.9 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

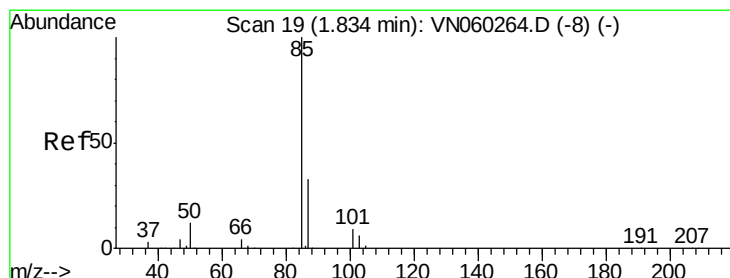
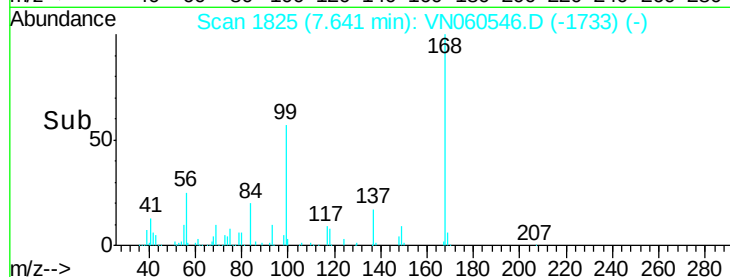
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.313 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060546.D

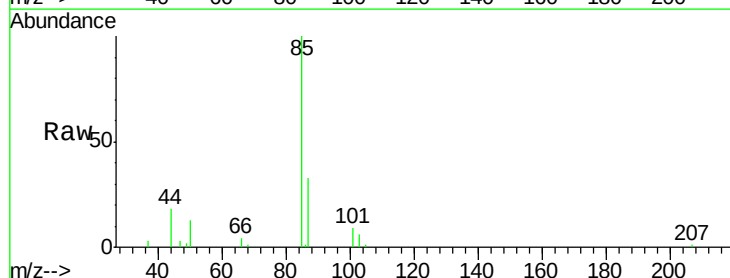
Acq: 17 Mar 2020 11:05

Tgt Ion: 85 Resp: 27672

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

20000

15000

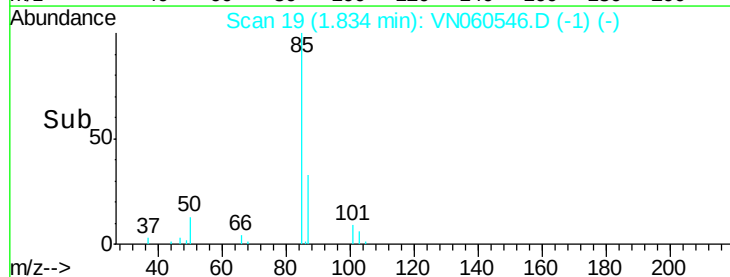
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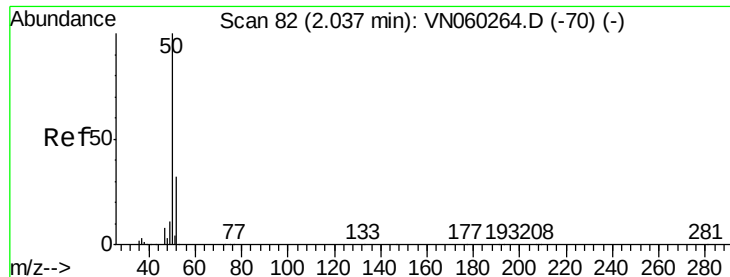
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.633 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBS01

Tot Ion: 50 Resp: 52624

Ion Ratio Lower Upper

50 100

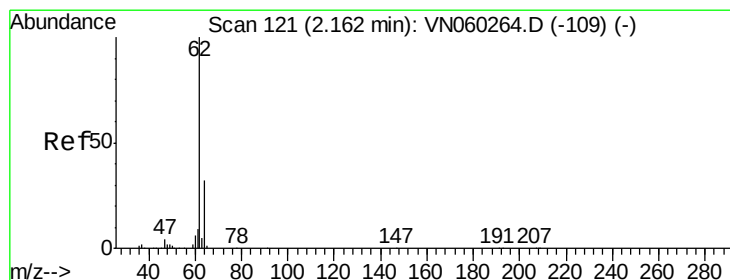
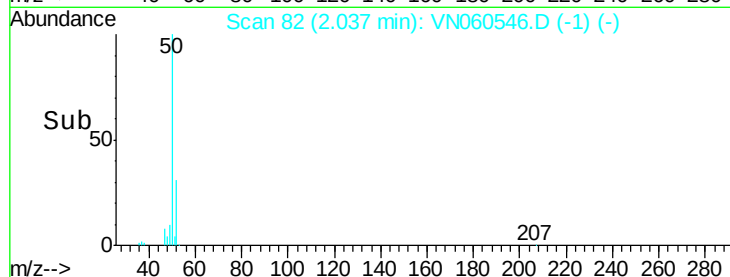
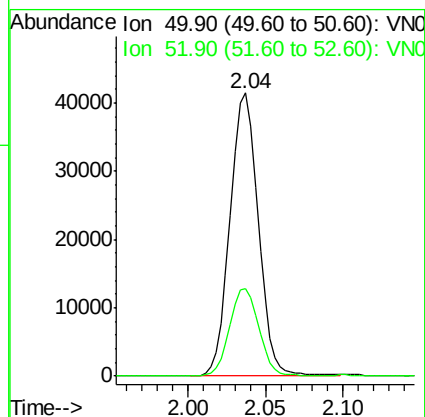
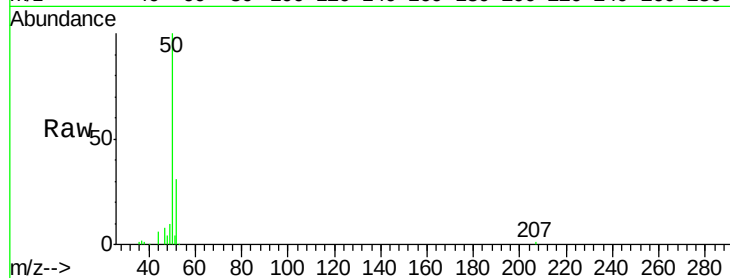
52 31.1 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 14.311 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060546.D

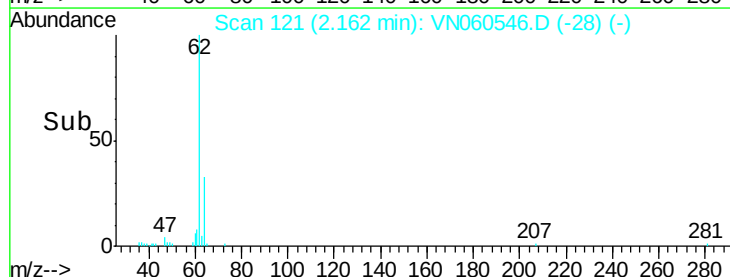
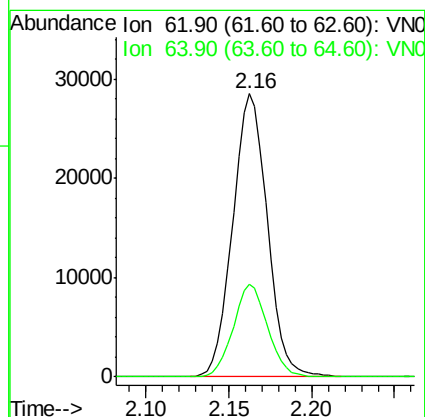
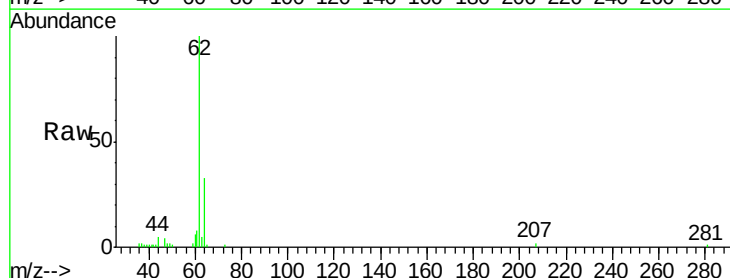
Acq: 17 Mar 2020 11:05

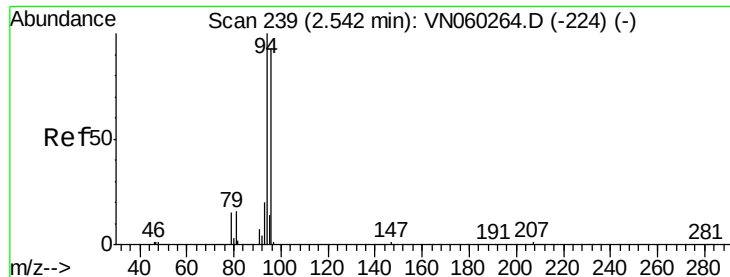
Tgt Ion: 62 Resp: 41312

Ion Ratio Lower Upper

62 100

64 32.8 25.5 38.3





#5

Bromomethane

Concen: 14.990 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

ClientSampled :

VN0317WBS01

Tot Ion: 94 Resp: 19374

Ion Ratio Lower Upper

94 100

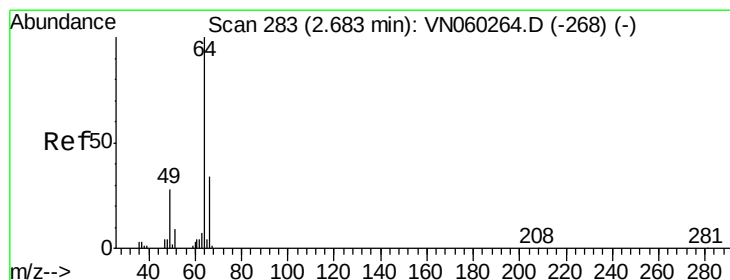
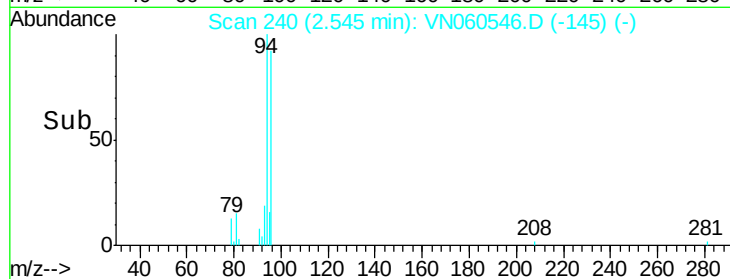
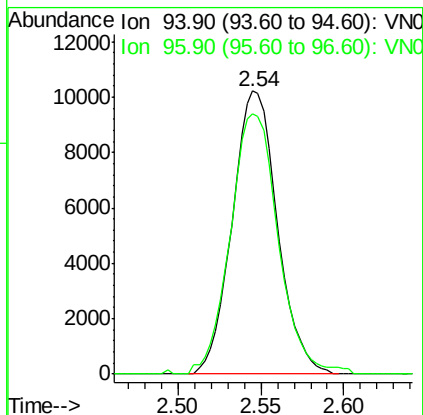
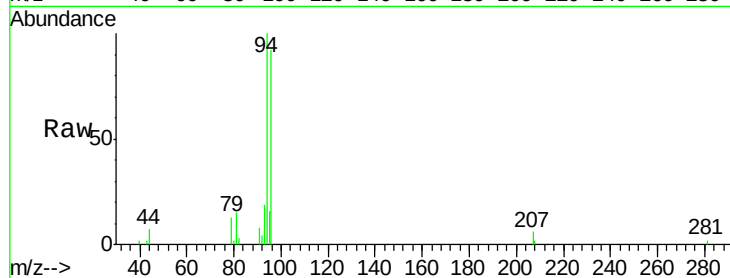
96 92.1 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 16.841 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060546.D

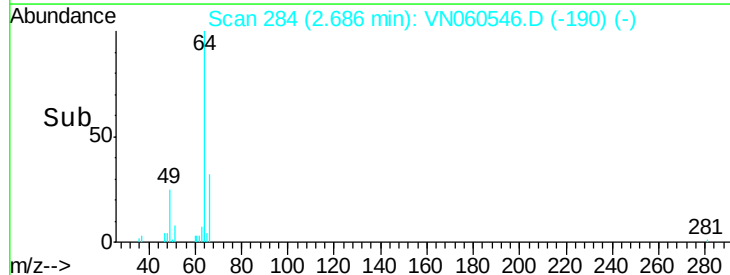
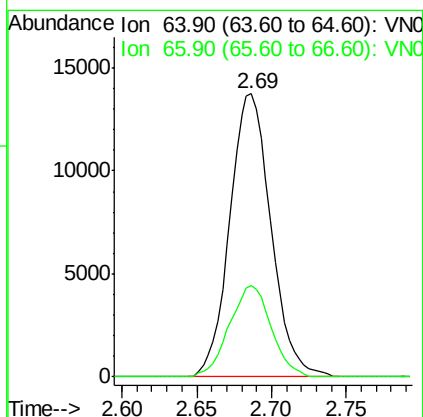
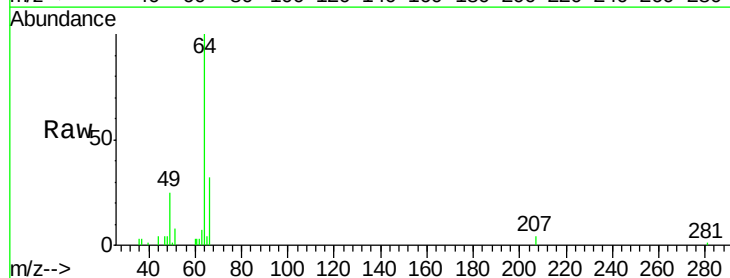
Acq: 17 Mar 2020 11:05

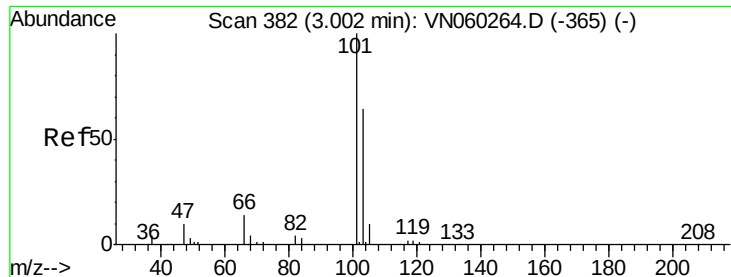
Tgt Ion: 64 Resp: 26342

Ion Ratio Lower Upper

64 100

66 32.2 27.4 41.2





#7

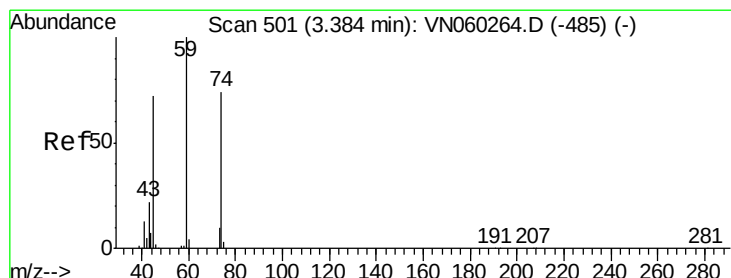
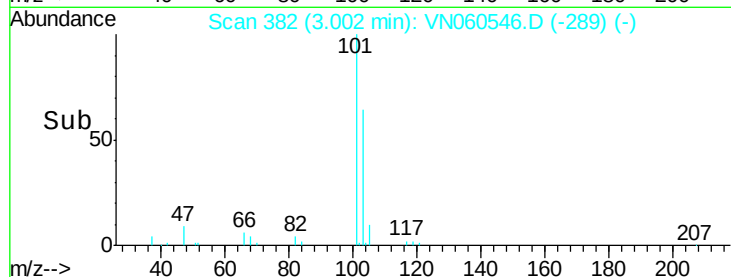
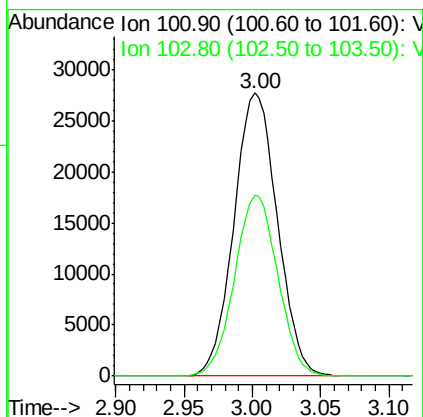
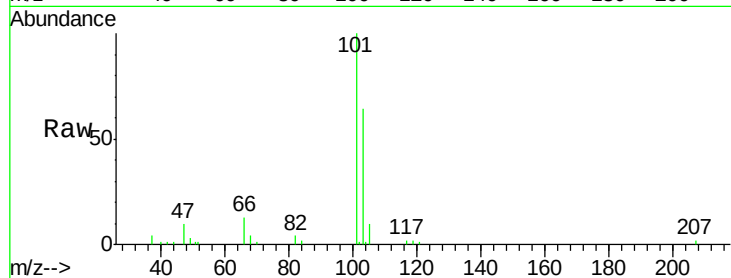
Trichlorofluoromethane
Concen: 16.596 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
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VN0317WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		61212		
103	63.8	51.3	76.9		

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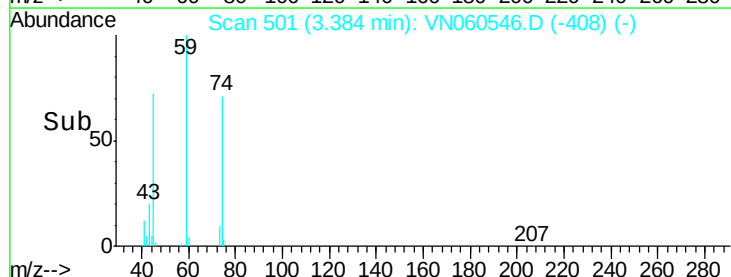
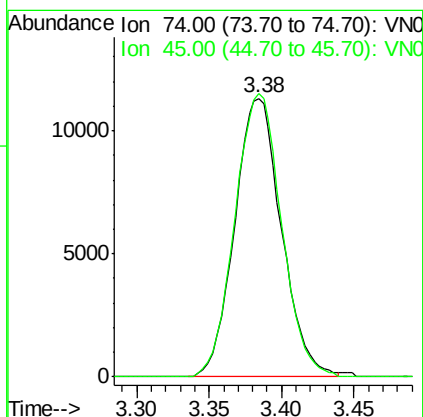
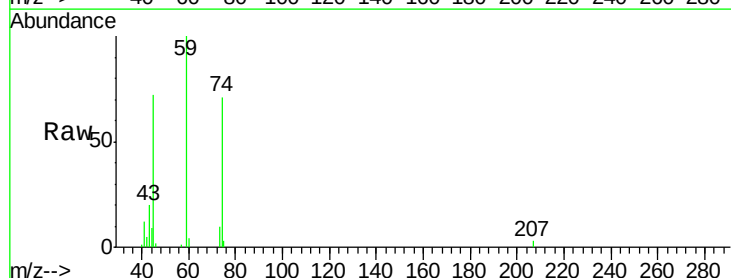
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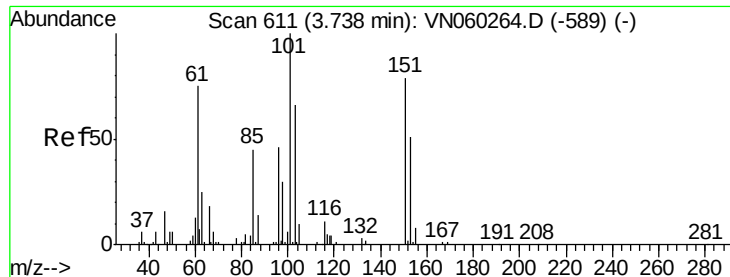


#8

Diethyl Ether
Concen: 18.197 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		25341		
45	101.6	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.012 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

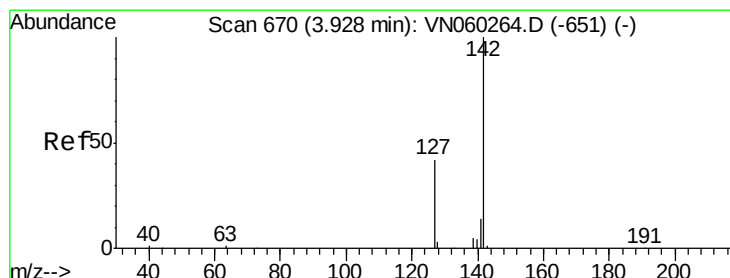
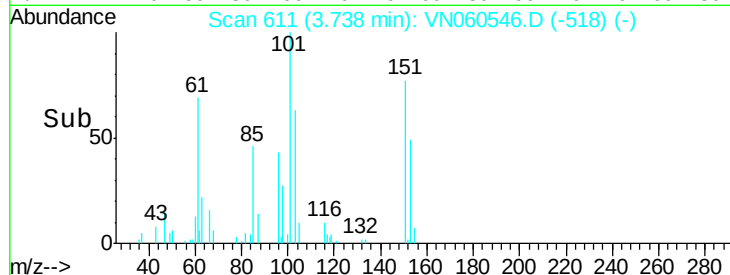
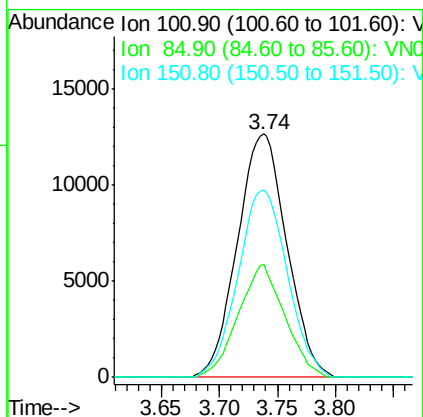
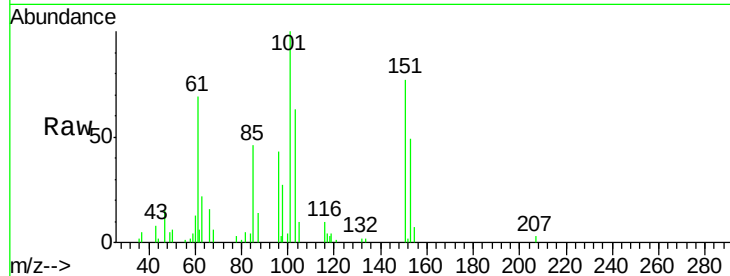
ClientSampleId :

VN0317WBS01

Tot Ion:	101	Resp:	37599
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.4	53.2
151	76.9	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 14.011 ug/l

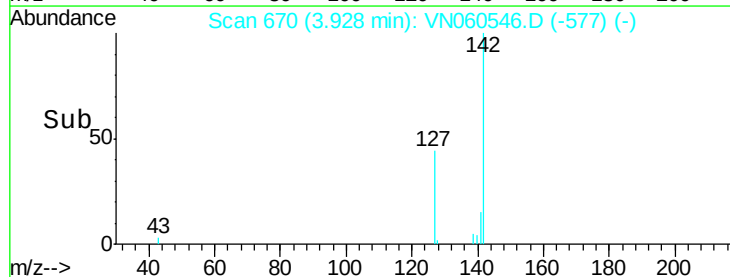
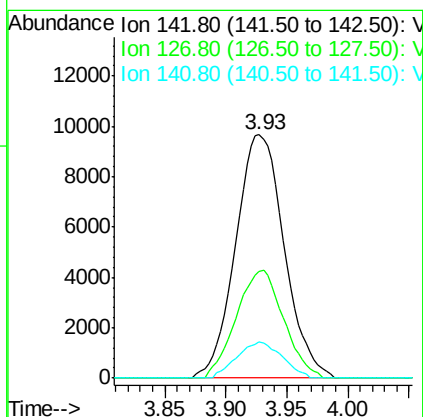
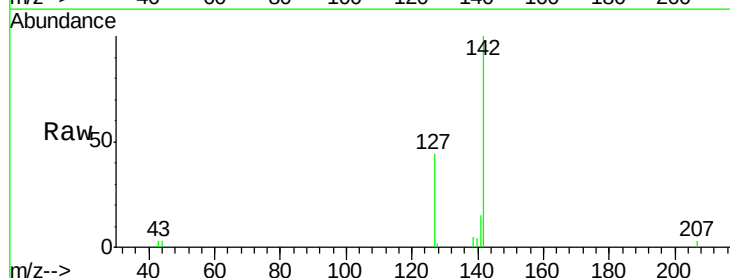
RT: 3.93 min Scan# 670

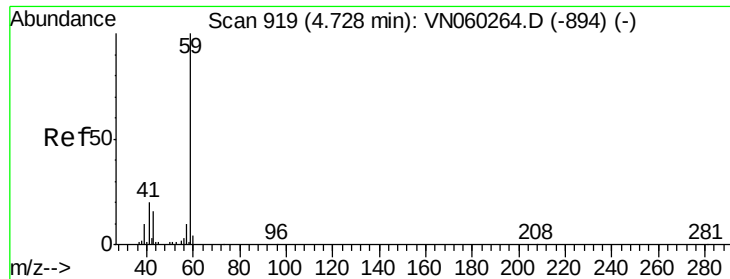
Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion:	142	Resp:	26691
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.8	50.6
141	13.8	11.1	16.7





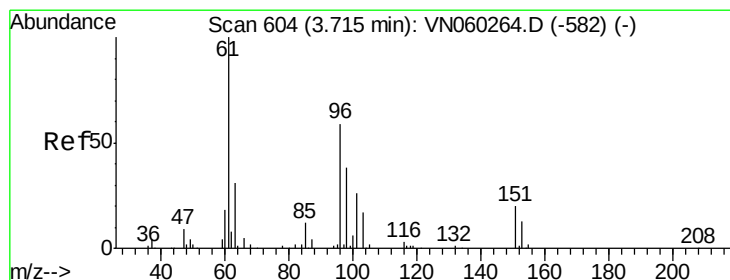
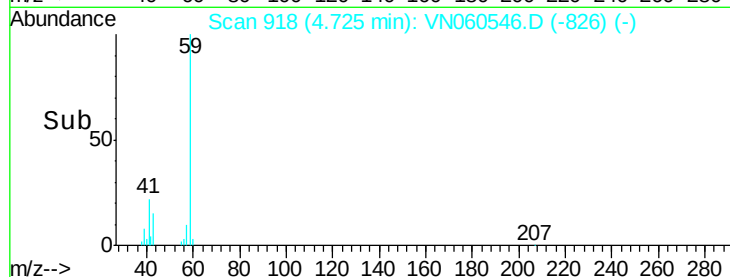
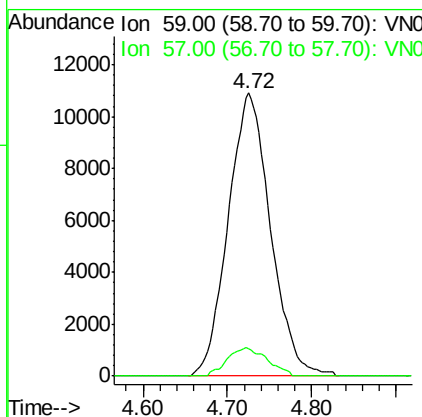
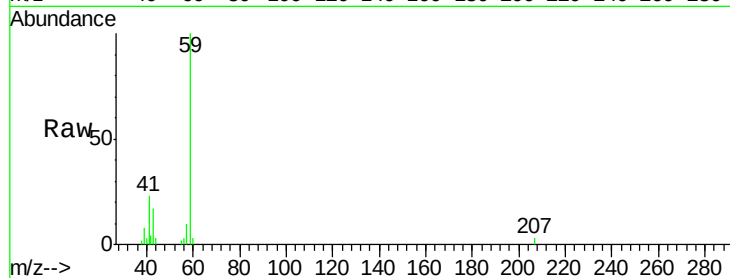
#11
Tert butyl alcohol
Concen: 94.503 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampled :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.2

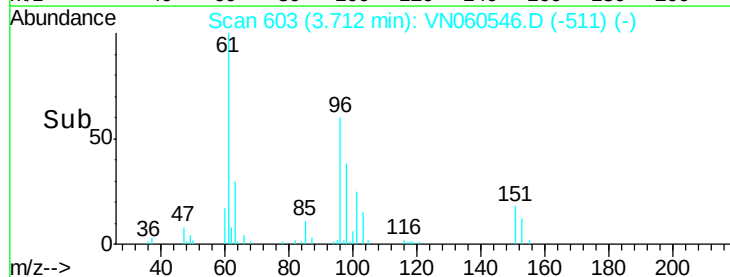
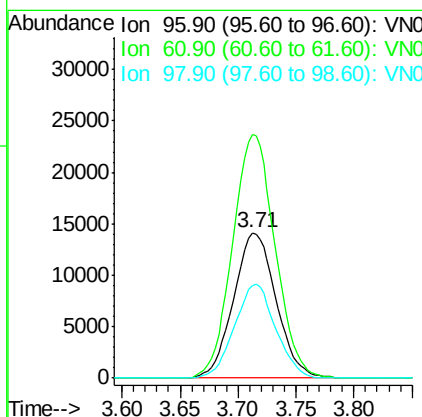
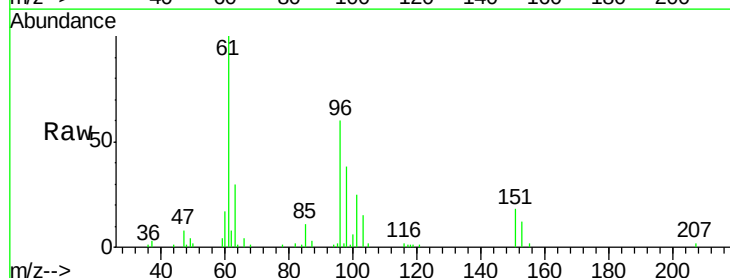
Manual Integrations
APPROVED

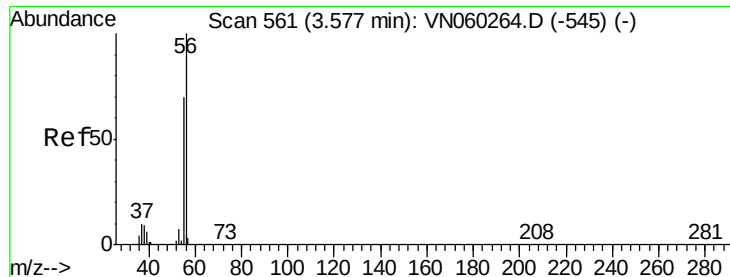
MMDadoda
3/18/2020 5:34:54 PM



#12
1,1-Dichloroethene
Concen: 17.660 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.7	135.4	203.0
98	64.0	51.6	77.4





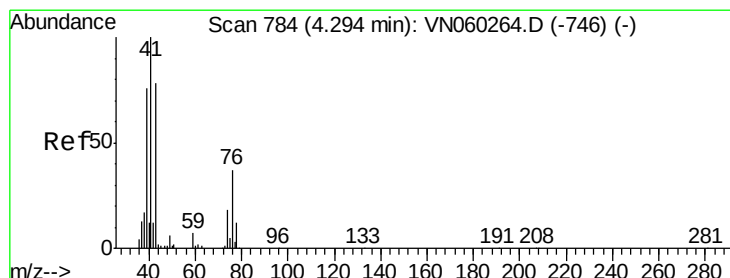
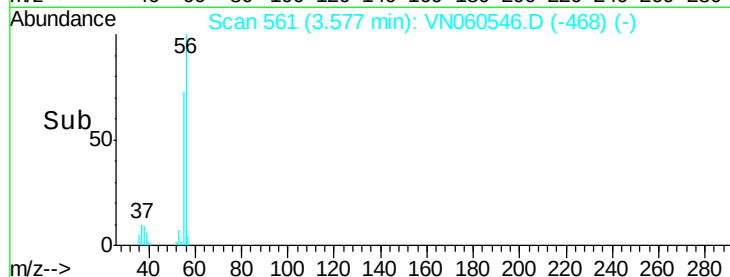
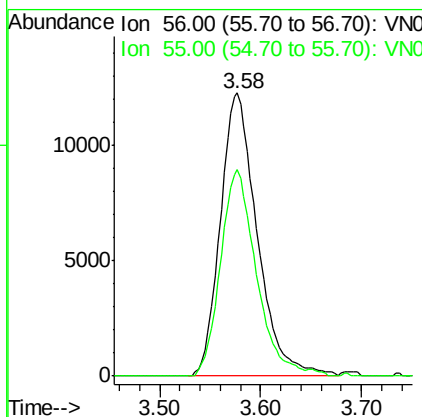
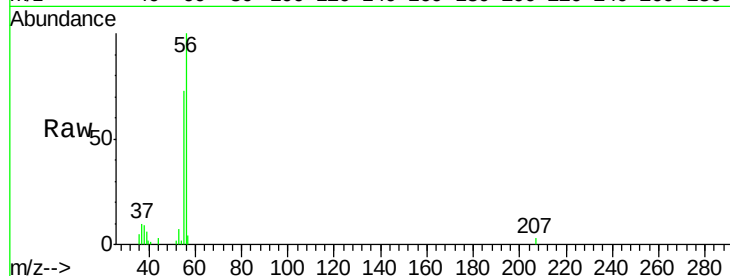
#13
 Acrolein
 Concen: 83.362 ug/l
 RT: 3.58 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion	56	Resp	31243
Ion Ratio	Lower	Upper	
56	100		
55	70.5	57.4	86.0

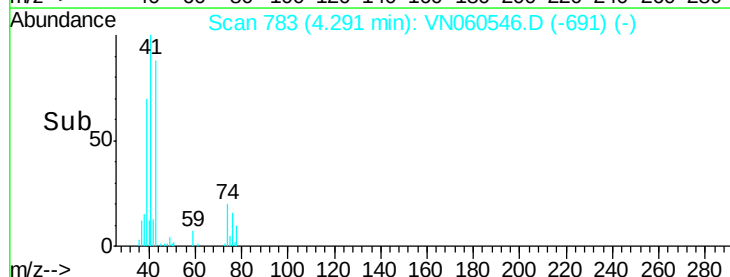
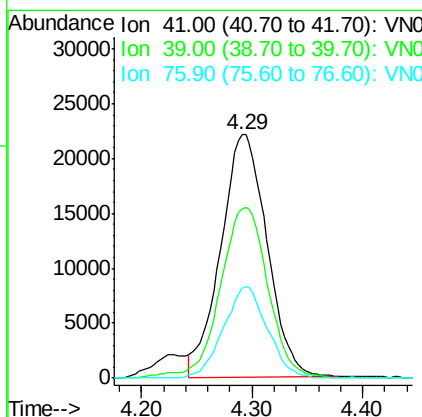
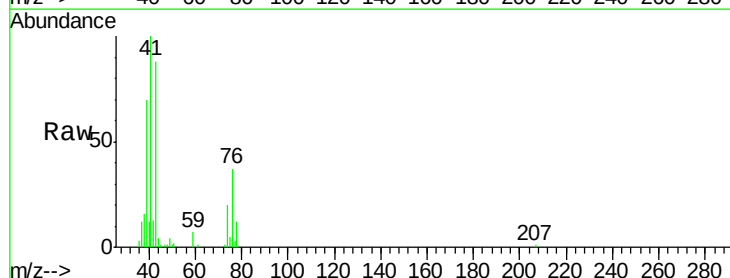
Manual Integrations
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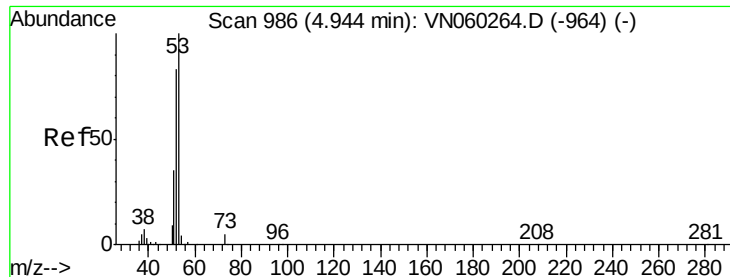
MMDadoda
 3/18/2020 5:34:54 PM



#14
 Allyl chloride
 Concen: 17.172 ug/l
 RT: 4.29 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion	41	Resp	64144
Ion Ratio	Lower	Upper	
41	100		
39	72.7	55.4	83.2
76	35.7	27.0	40.6





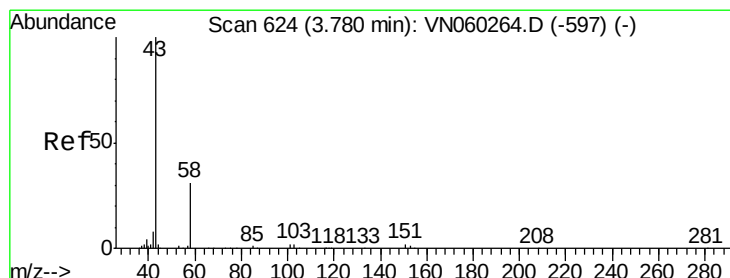
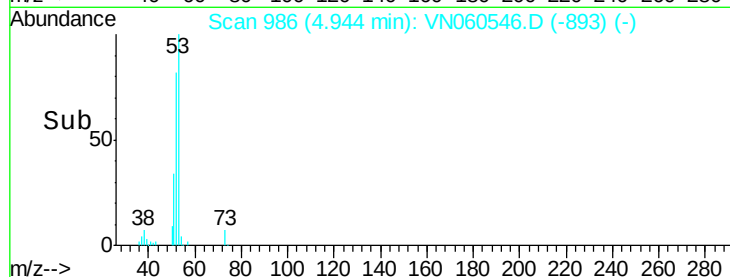
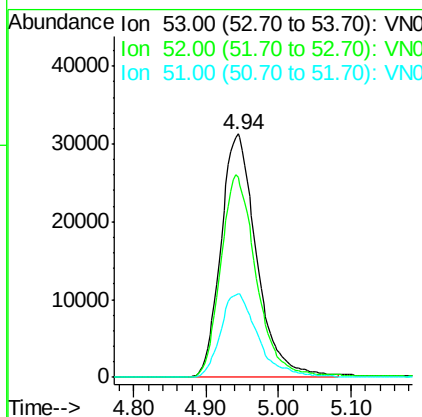
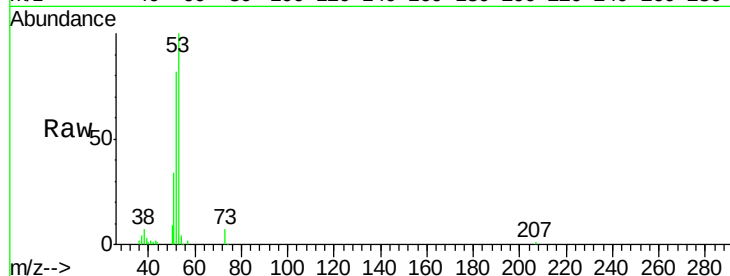
#15
 Acrylonitrile
 Concen: 101.257 ug/l
 RT: 4.94 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion:	53	Resp:	107223
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.8	100.2
51	35.8	29.0	43.6

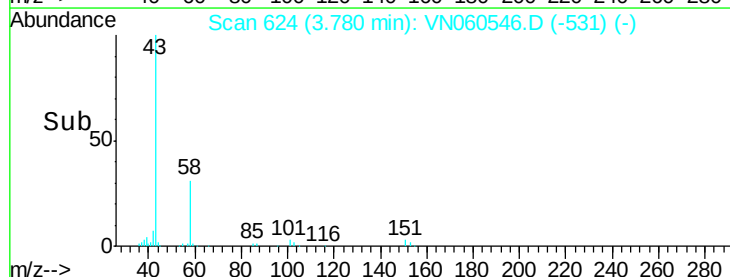
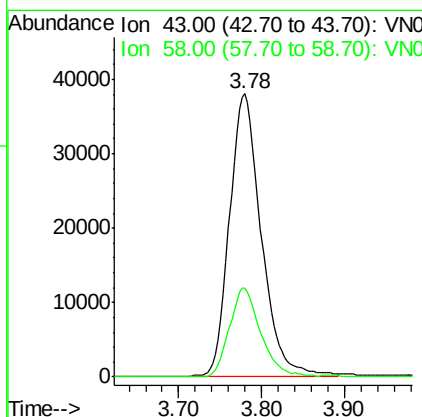
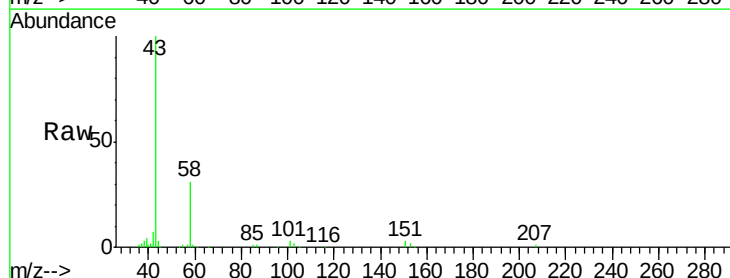
Manual Integrations
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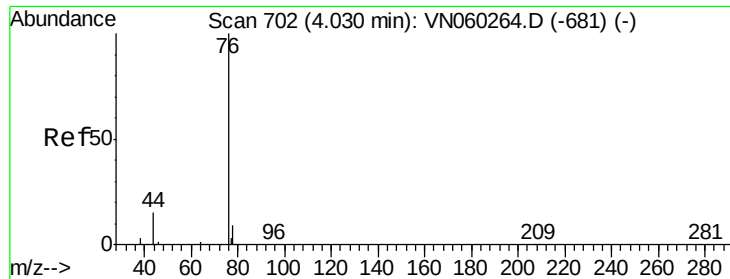
MMDadoda
 3/18/2020 5:34:54 PM



#16
 Acetone
 Concen: 116.825 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion:	43	Resp:	102071
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.6	36.8





#17

Carbon Disulfide

Concen: 14.766 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBS01

Tot Ion: 76 Resp: 82054

Ion Ratio Lower Upper

76 100

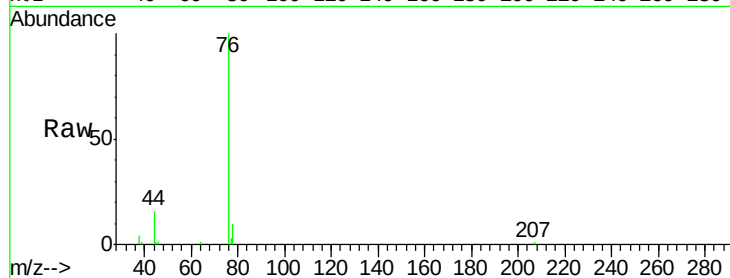
78 10.0 7.4 11.0

Manual Integrations

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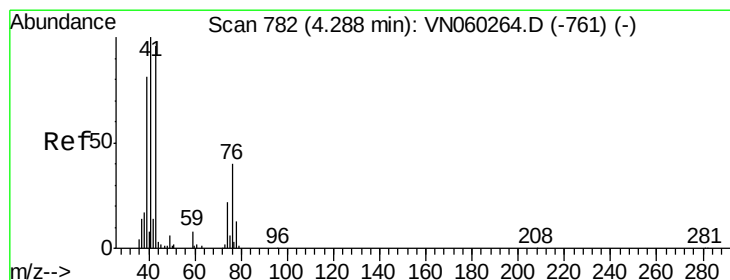
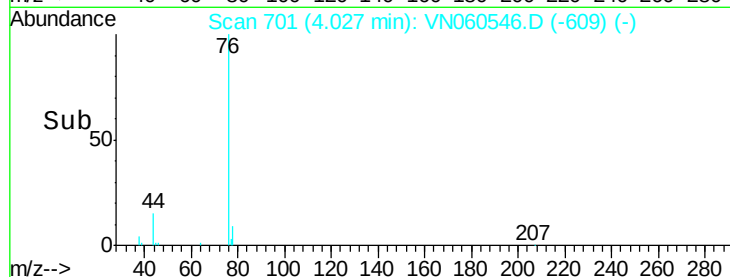
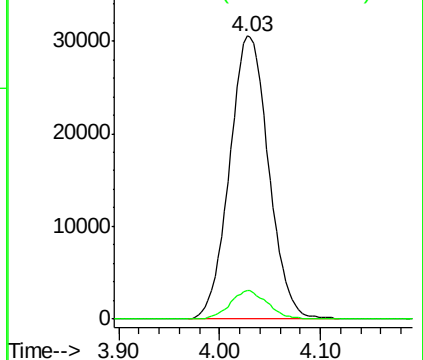
MMDadoda

3/18/2020 5:34:54 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.742 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060546.D

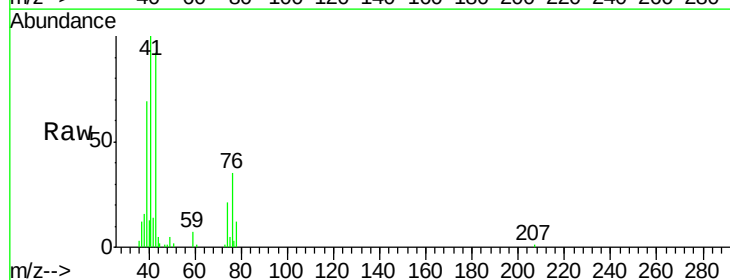
Acq: 17 Mar 2020 11:05

Tgt Ion: 43 Resp: 57563

Ion Ratio Lower Upper

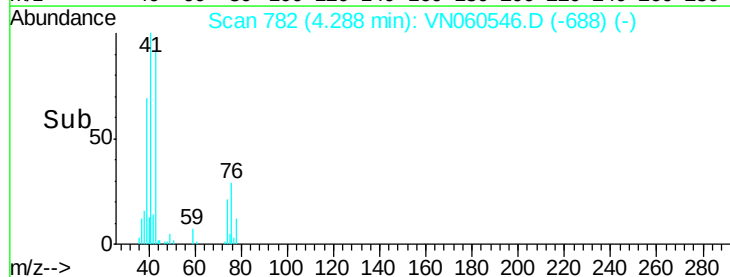
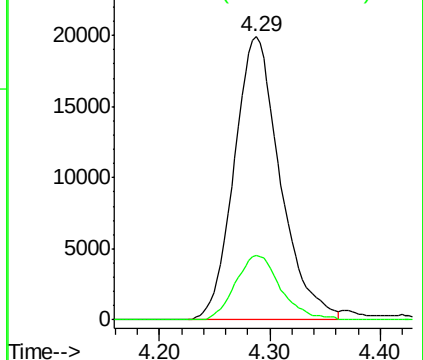
43 100

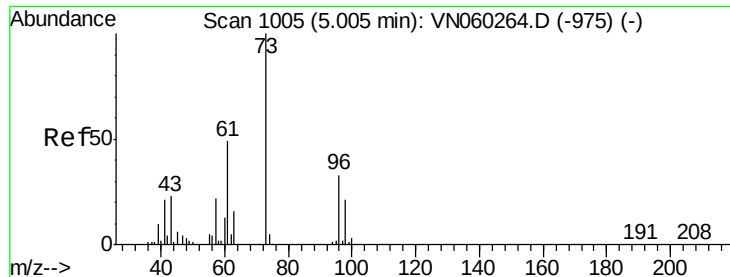
74 22.4 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





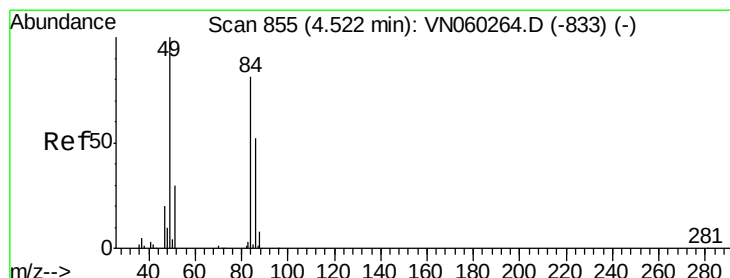
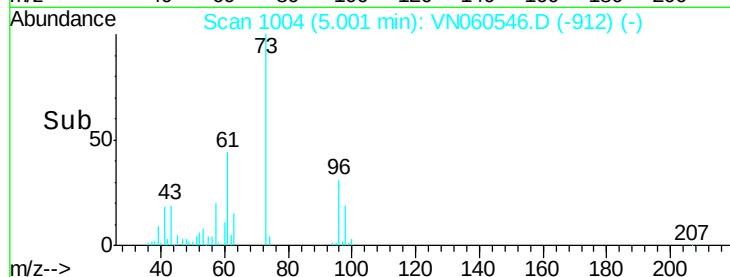
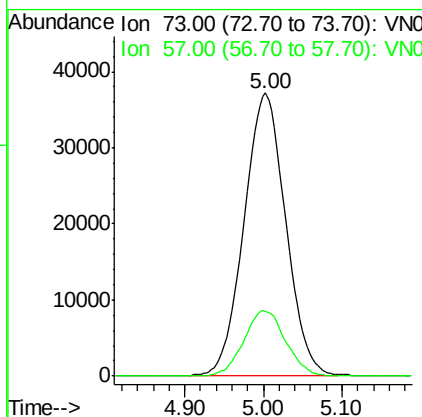
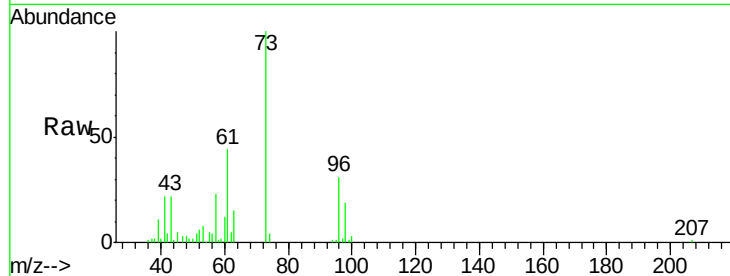
#19
Methvl tert-butyl Ether
Concen: 18.879 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion: 73 Resp: 138867
Ion Ratio Lower Upper
73 100
57 22.8 17.3 25.9

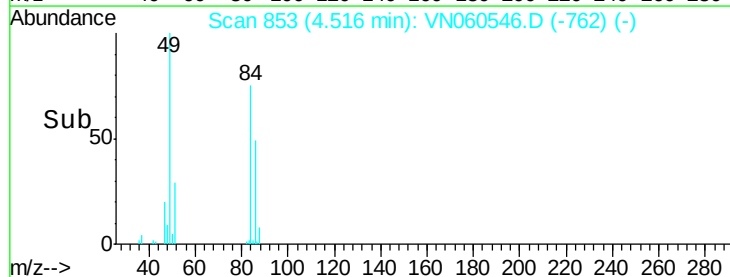
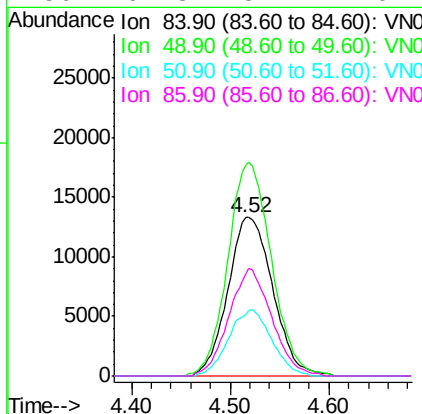
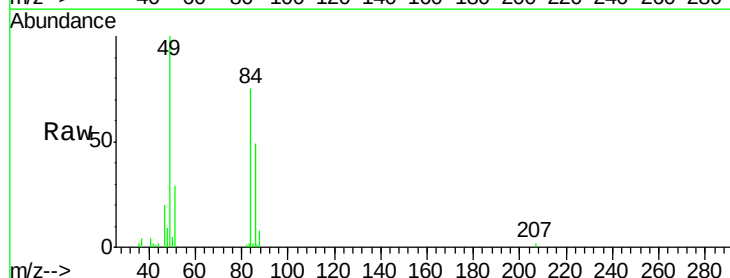
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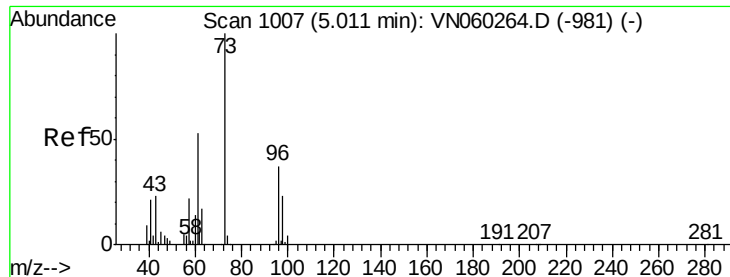
MMDadoda
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#20
Methylene Chloride
Concen: 17.551 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion: 84 Resp: 42114
Ion Ratio Lower Upper
84 100
49 133.0 99.3 148.9
51 39.0 30.1 45.1
86 64.8 51.1 76.7





#21

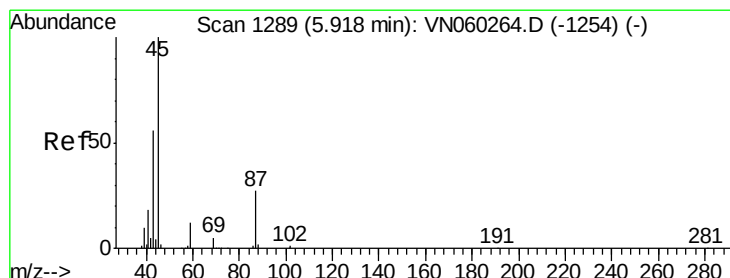
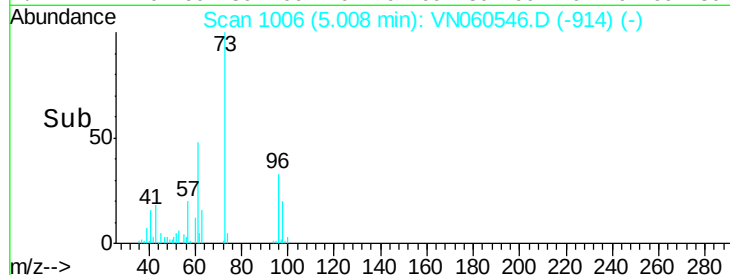
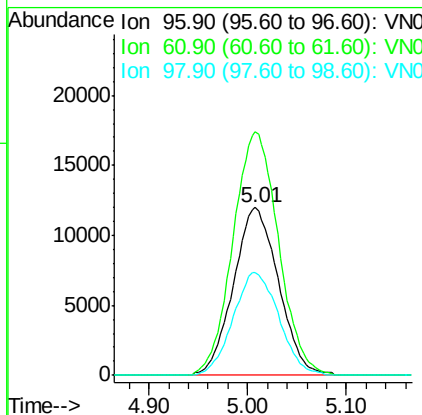
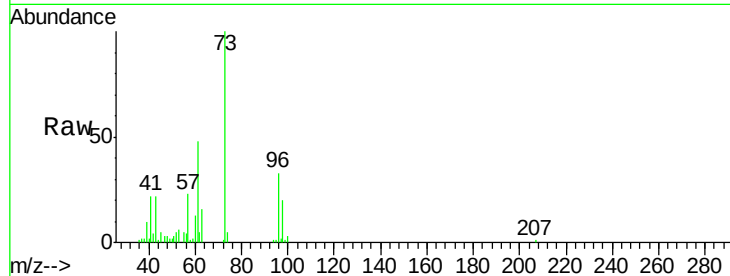
trans-1,2-Dichloroethene
Concen: 17.184 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	113.8	170.8
98	61.4	48.8	73.2

Manual Integrations
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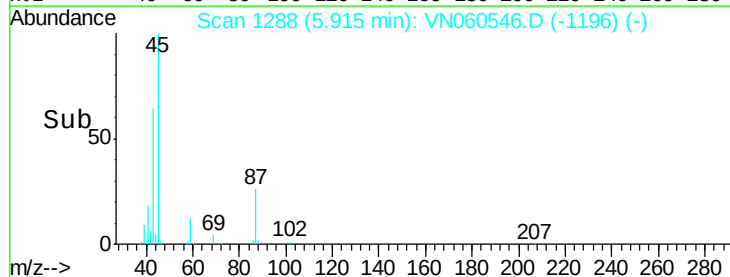
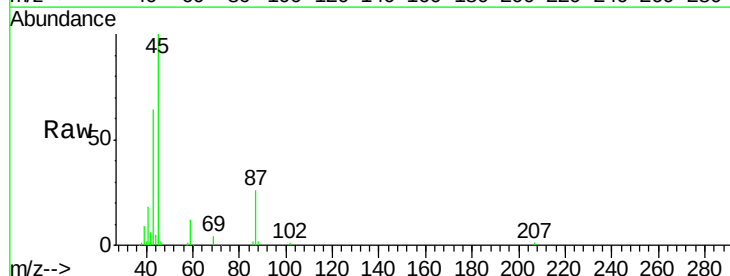
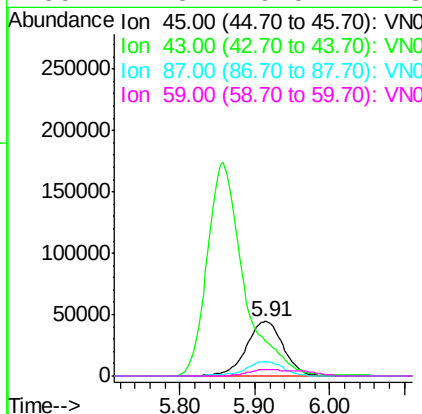
MMDadoda
3/18/2020 5:34:54 PM

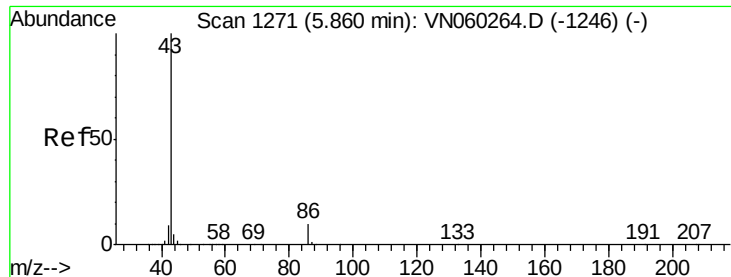


#22

Diisopropyl ether
Concen: 20.128 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.6	72.8
87	26.4	22.2	33.2
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 98.360 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBS01

Tot Ion: 43 Resp: 591386

Ion Ratio Lower Upper

43 100

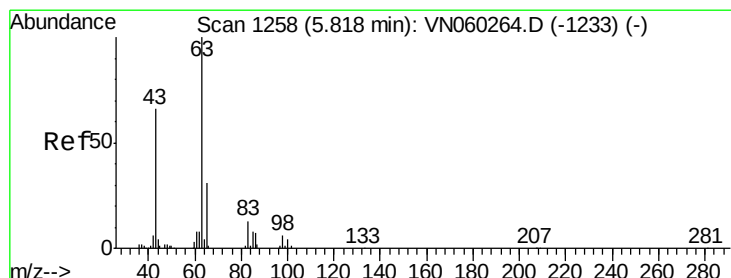
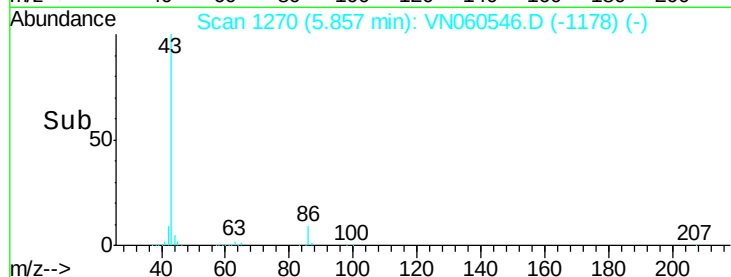
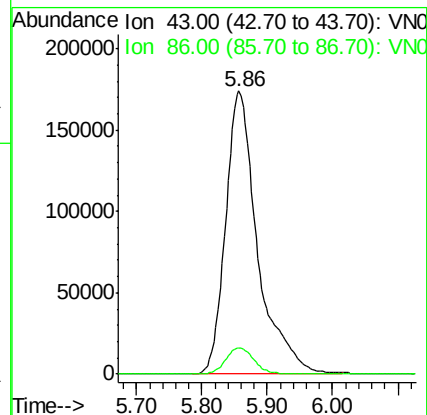
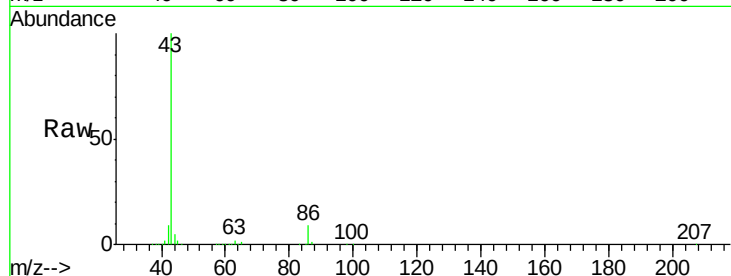
86 9.4 8.0 12.0

Manual Integrations

APPROVED

MMDadoda

3/18/2020 5:34:54 PM



#24

1,1-Dichloroethane

Concen: 19.278 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

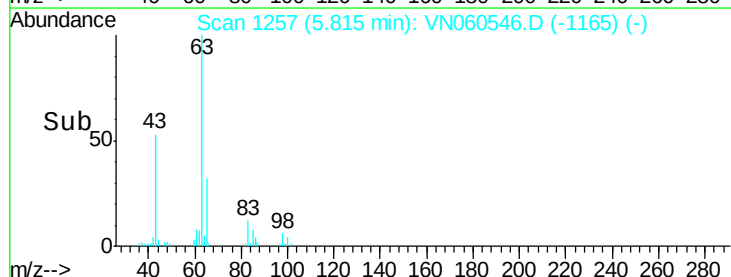
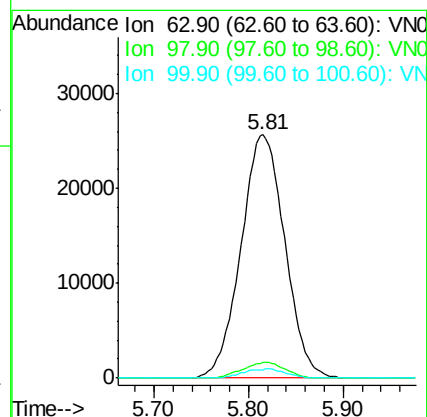
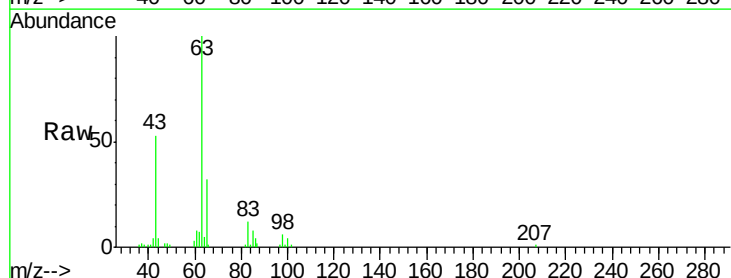
Tgt Ion: 63 Resp: 82570

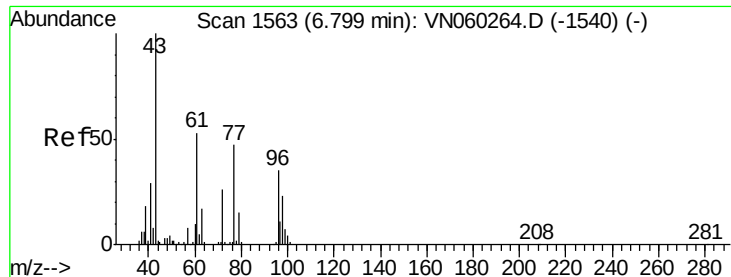
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

100 3.6 2.0 6.0





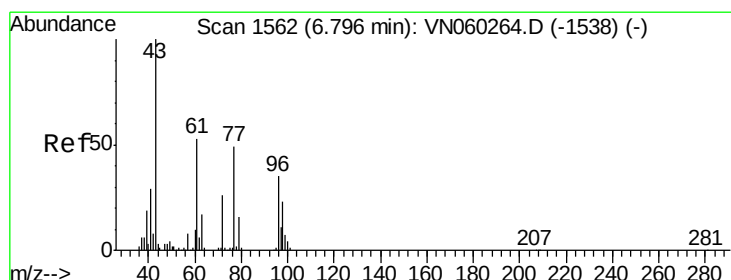
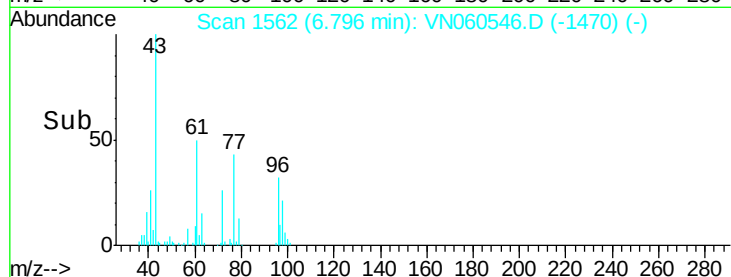
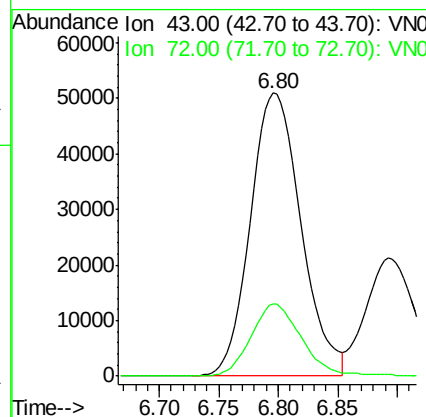
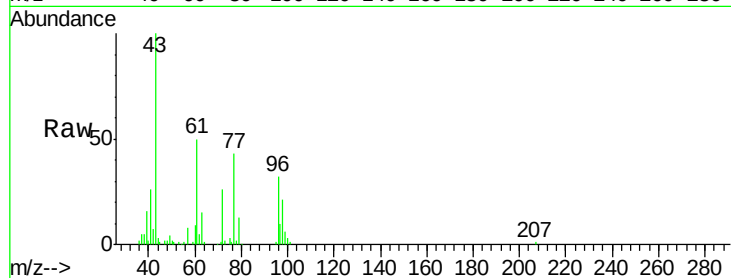
#25
2-Butanone
Concen: 106.528 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampled :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.6	20.9	31.3

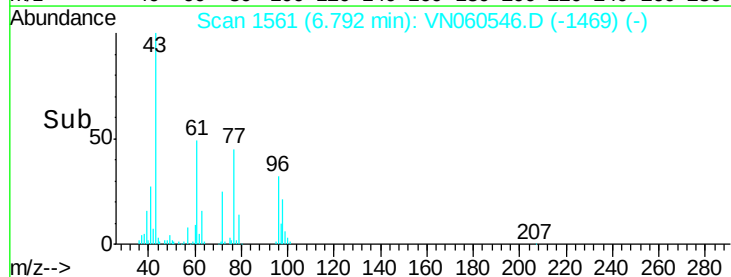
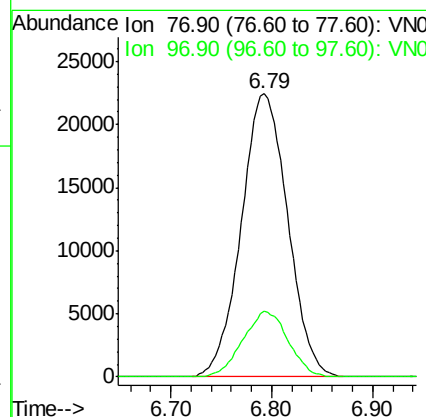
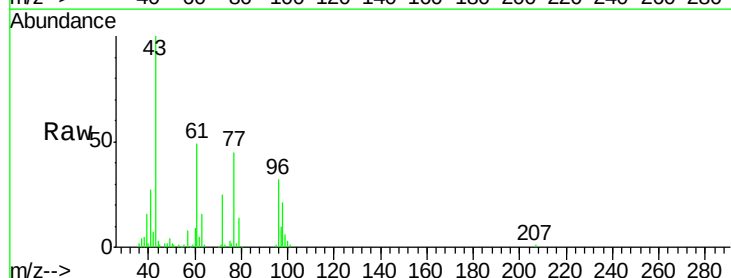
Manual Integrations
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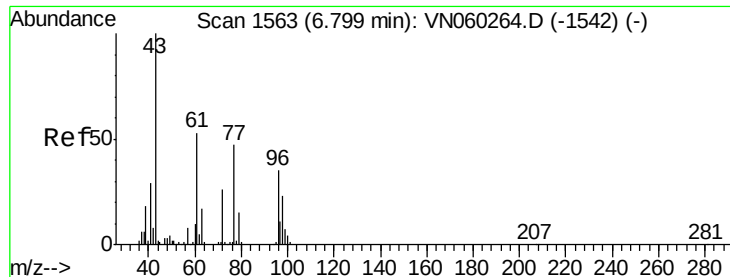
MMDadoda
3/18/2020 5:34:54 PM



#26
2,2-Dichloropropane
Concen: 18.400 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 17.149 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

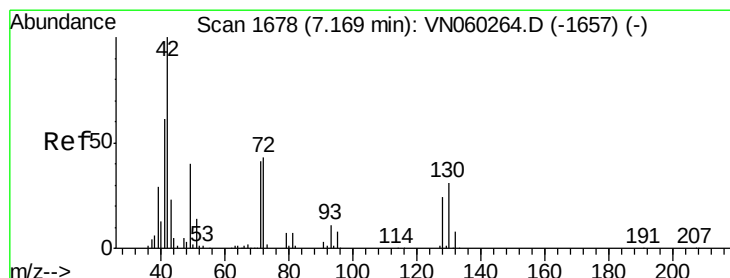
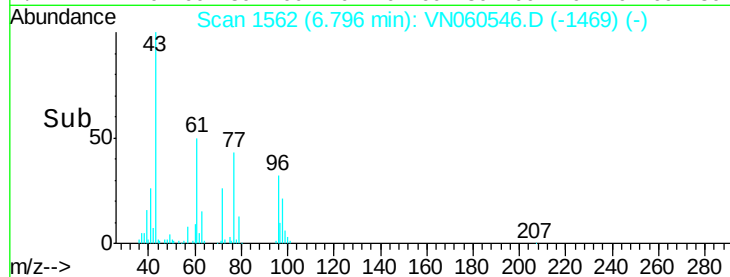
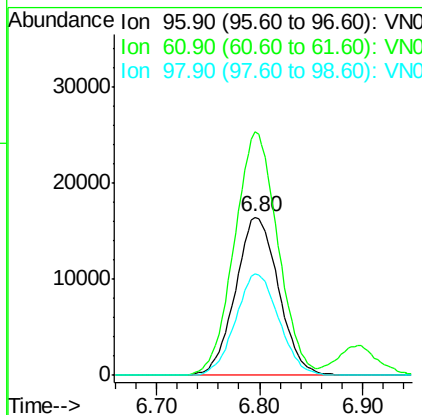
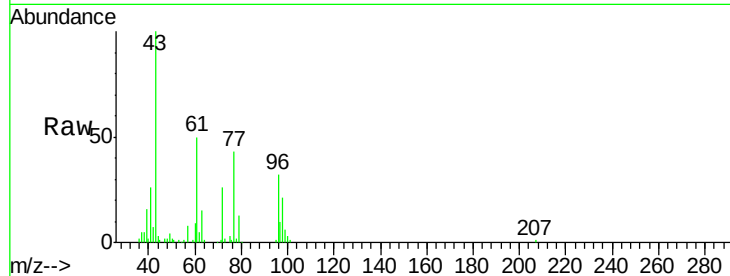
ClientSampleId :

VN0317WBS01

Tot Ion:	96	Resp:	47715
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	300.8
98	64.4	0.0	128.2

Manual Integrations
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MMDadoda
3/18/2020 5:34:54 PM



#28

Bromochloromethane

Concen: 19.561 ug/l

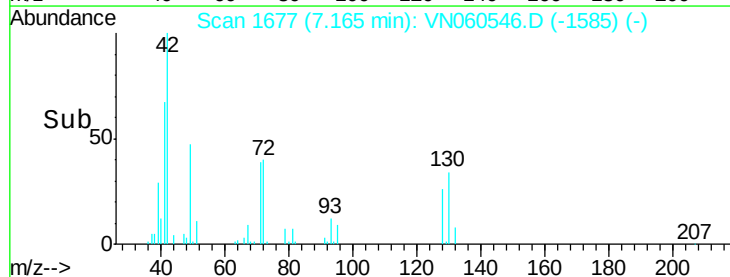
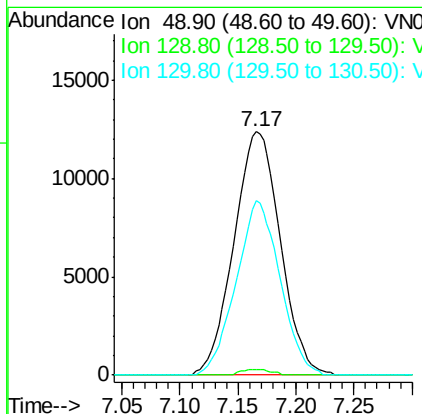
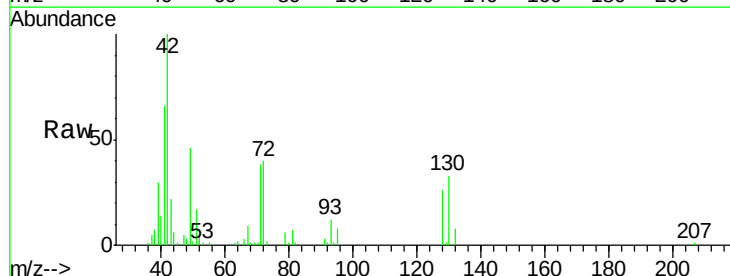
RT: 7.17 min Scan# 1677

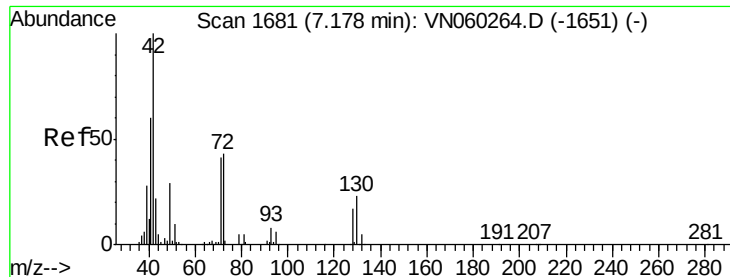
Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion:	49	Resp:	34399
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	67.7	59.8	89.8





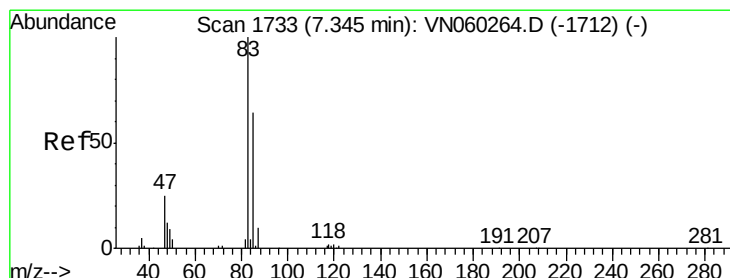
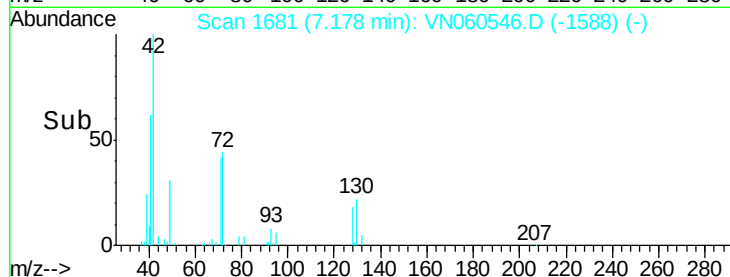
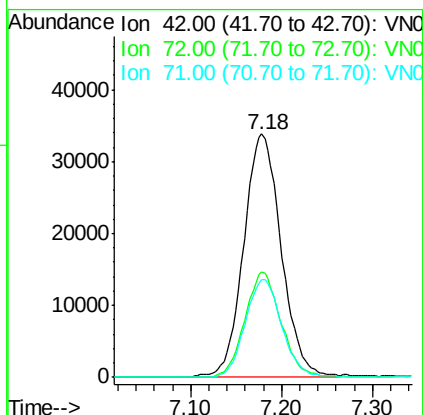
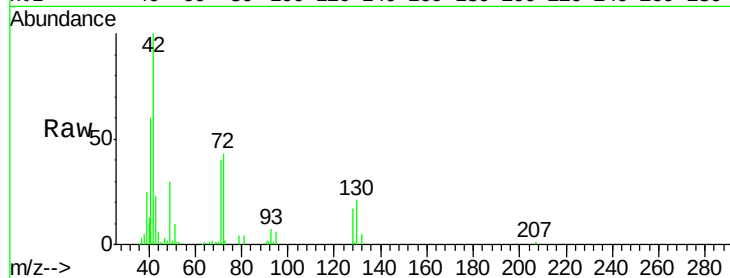
#29
Tetrahydrofuran
Concen: 99.083 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	34.6	52.0
71	38.9	32.9	49.3

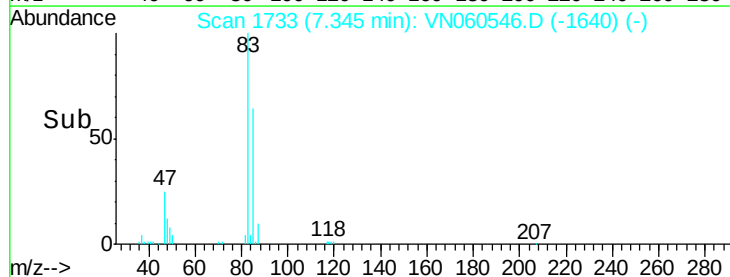
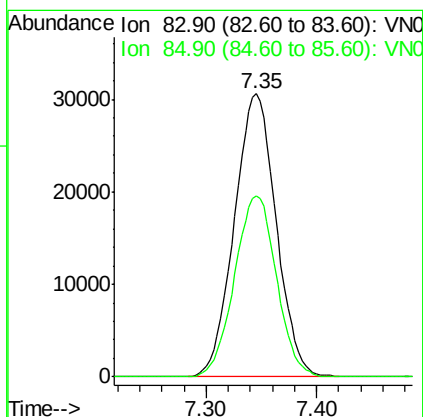
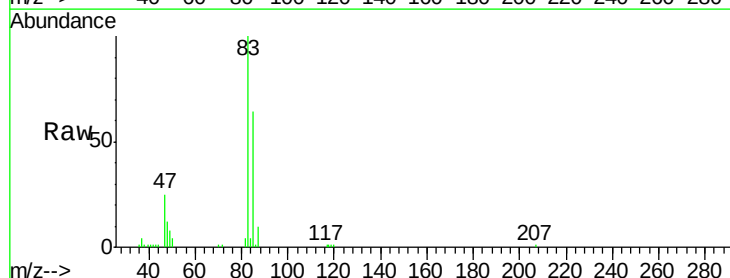
Manual Integrations
APPROVED

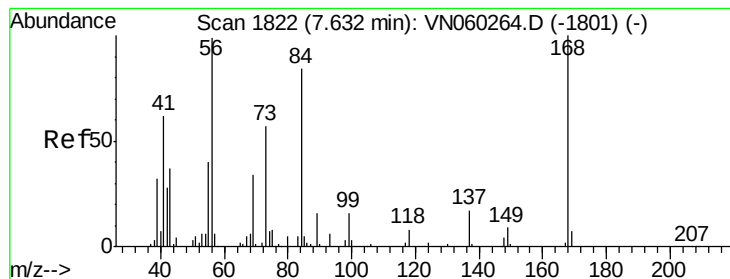
MMDadoda
3/18/2020 5:34:54 PM



#30
Chloroform
Concen: 18.855 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.2





#31

Cyclohexane

Concen: 18.035 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

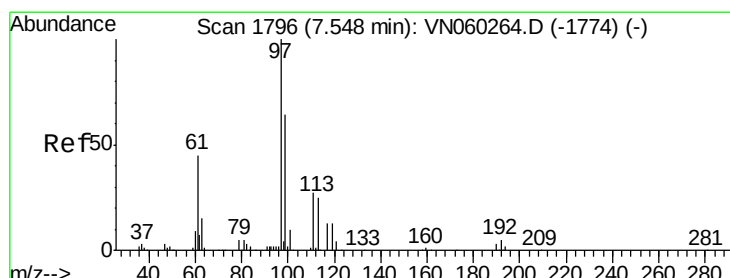
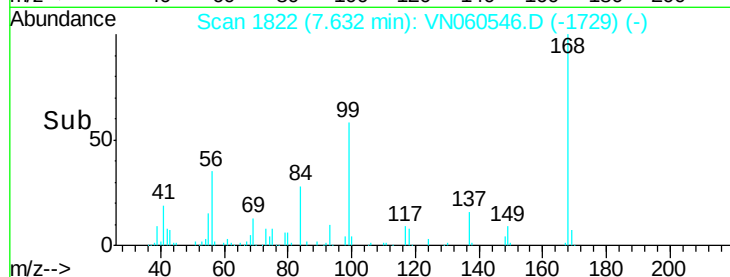
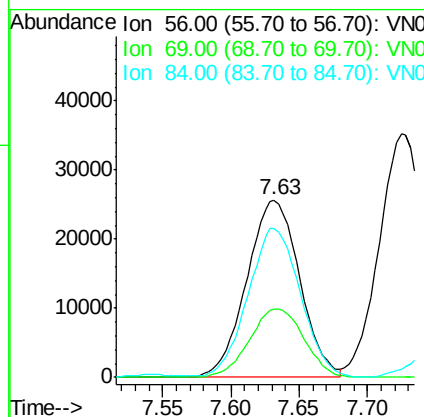
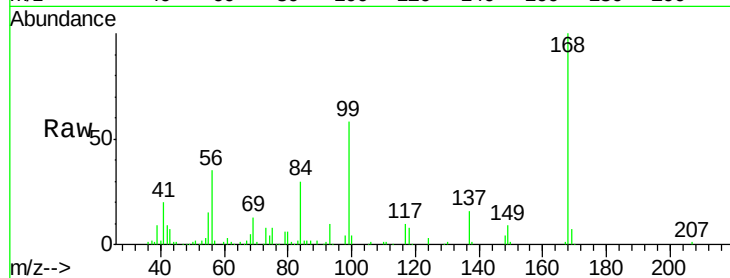
ClientSampleId :

VN0317WBS01

Tot Ion:	56	Resp:	69052
Ion Ratio	Lower	Upper	
56	100		
69	38.3	27.2	40.8
84	83.6	66.7	100.1

Manual Integrations
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3/18/2020 5:34:54 PM



#32

1,1,1-Trichloroethane

Concen: 17.664 ug/l

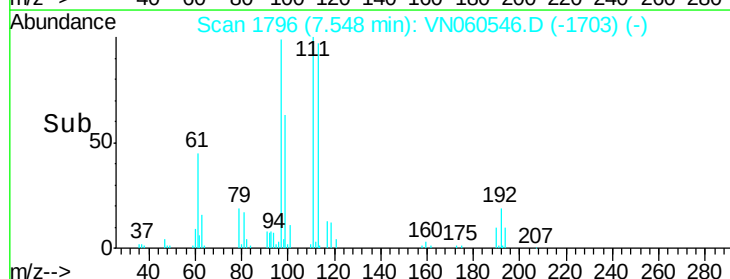
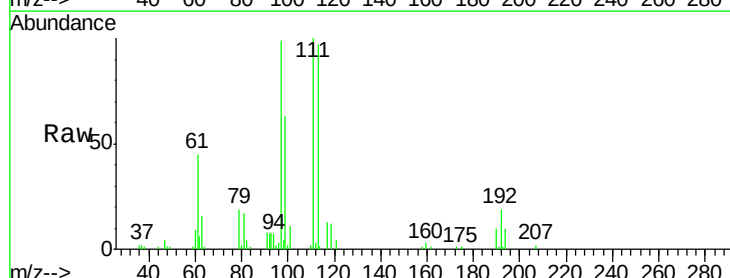
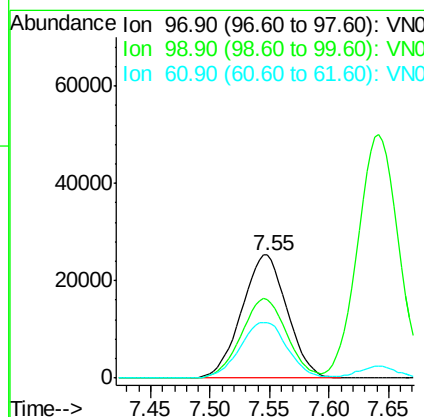
RT: 7.55 min Scan# 1796

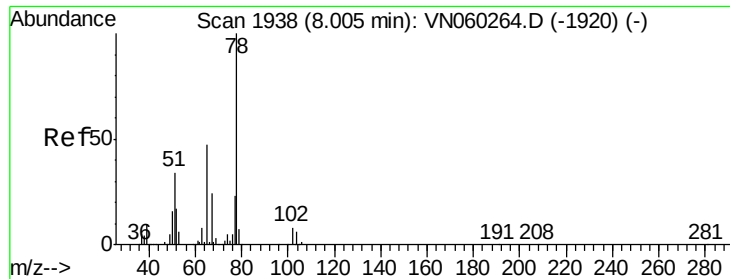
Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion:	97	Resp:	66728
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.4	77.0
61	47.2	36.6	55.0





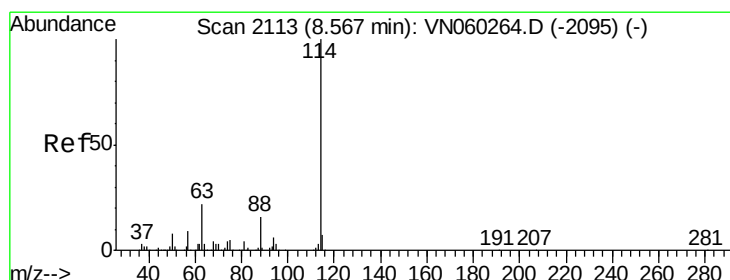
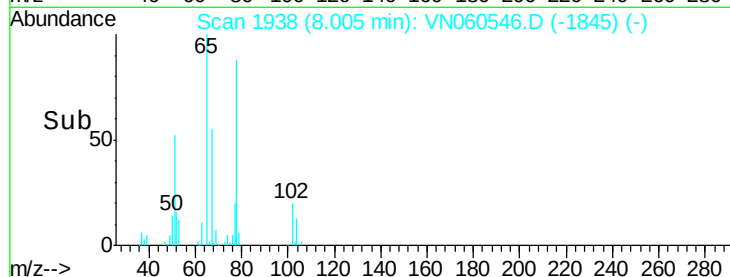
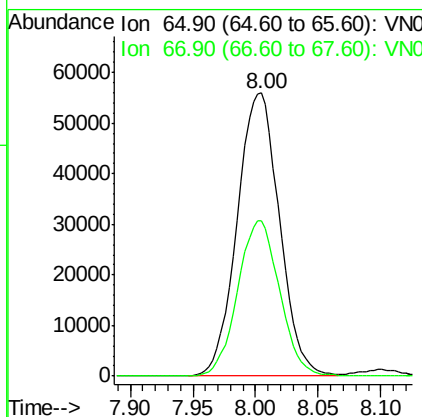
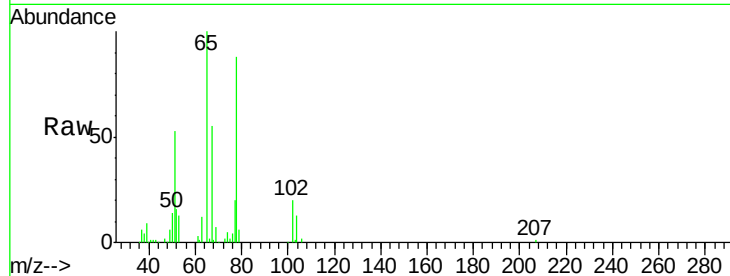
#33
 1,2-Dichloroethane-d4
 Concen: 48.518 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	103.8	

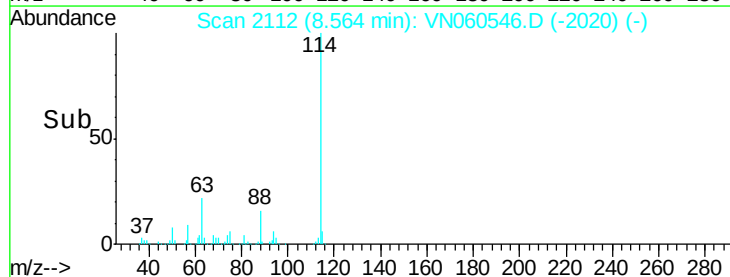
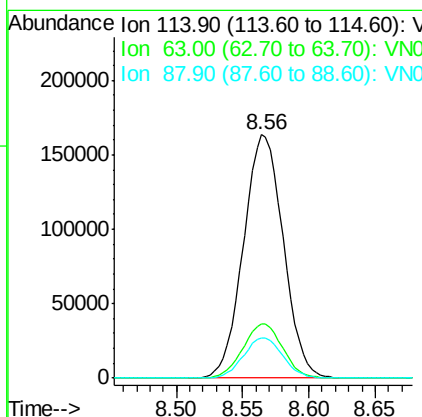
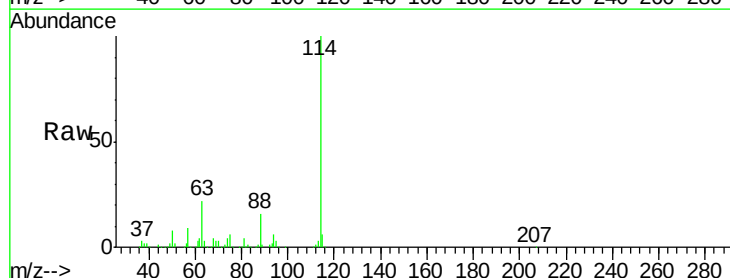
Manual Integrations
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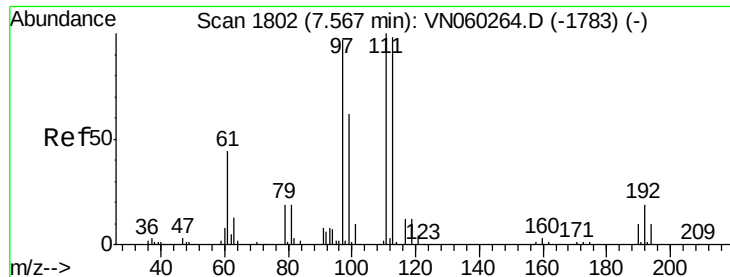
MMDadoda
 3/18/2020 5:34:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	43.2	
88	16.4	0.0	31.6	





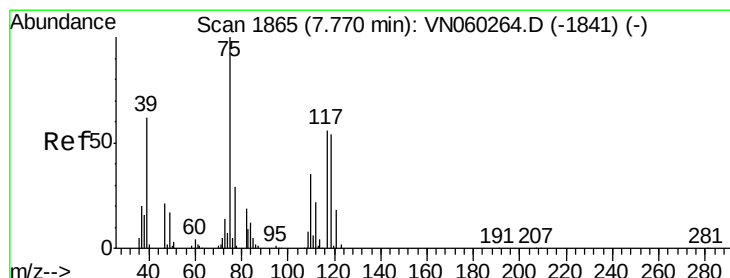
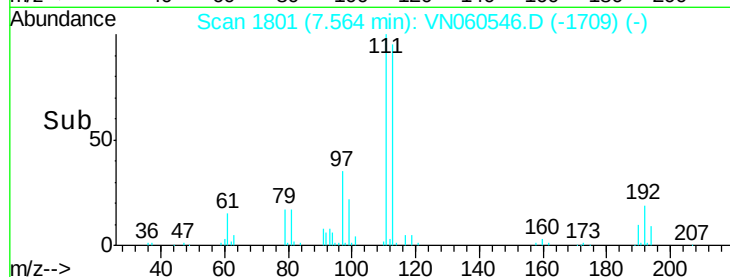
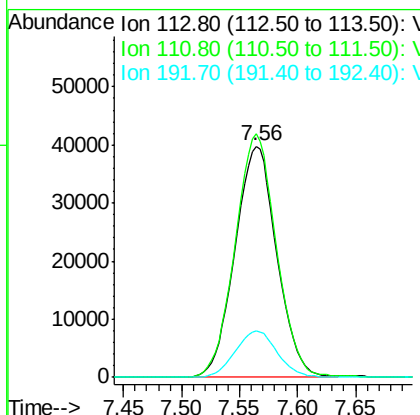
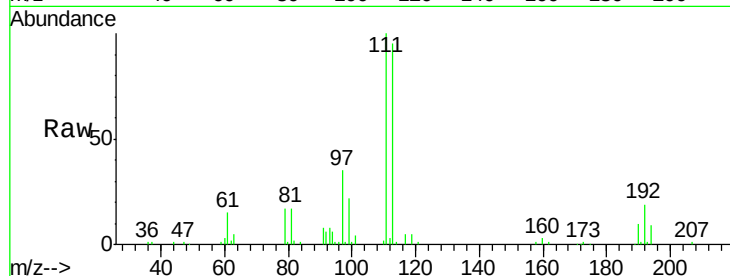
#35
 Dibromofluoromethane
 Concen: 62.569 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.4	123.6
192	20.2	16.2	24.2

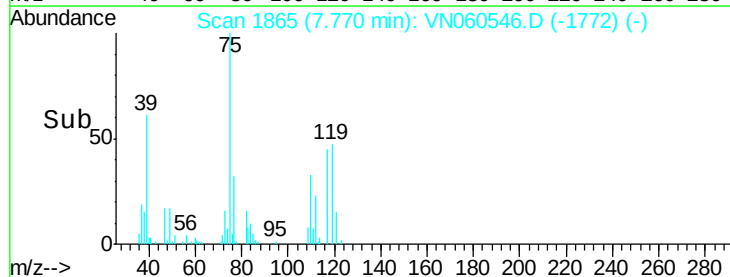
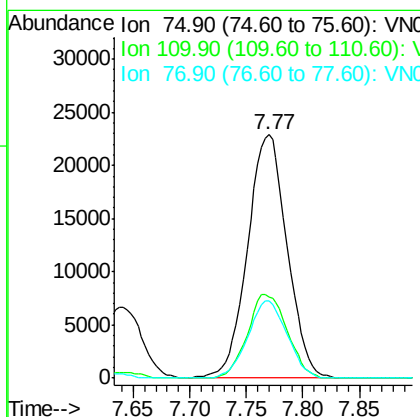
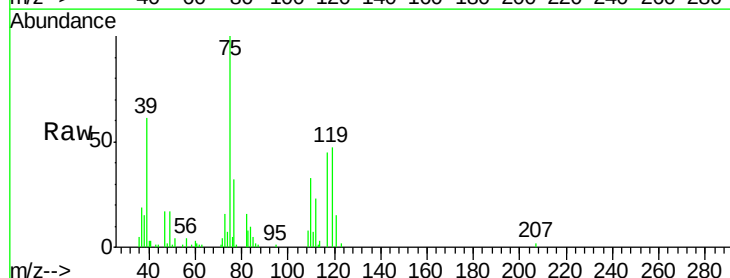
Manual Integrations
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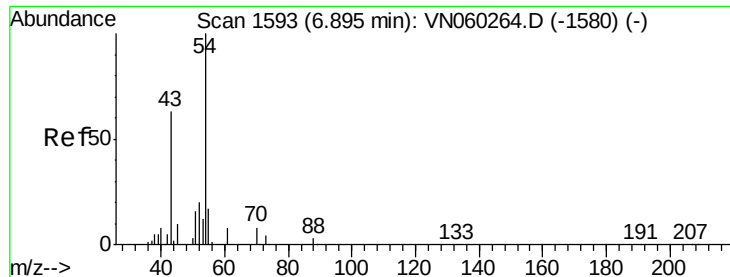
MMDadoda
 3/18/2020 5:34:54 PM



#36
 1,1-Dichloropropene
 Concen: 17.027 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	52.0
77	31.5	24.2	36.2





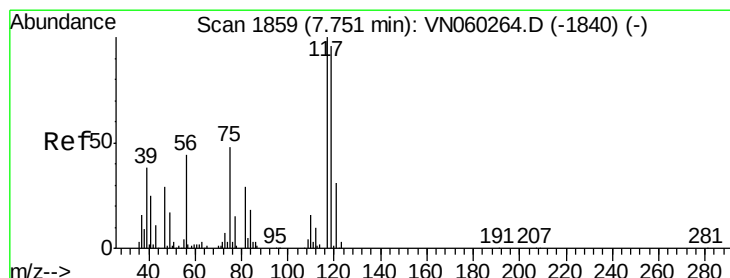
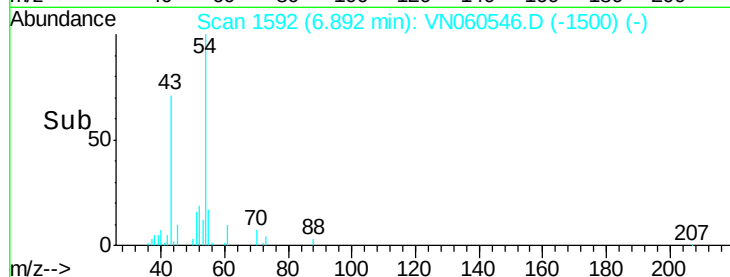
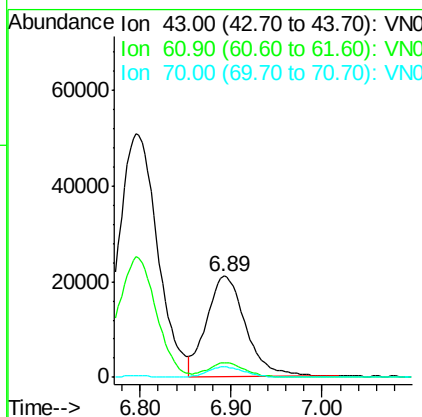
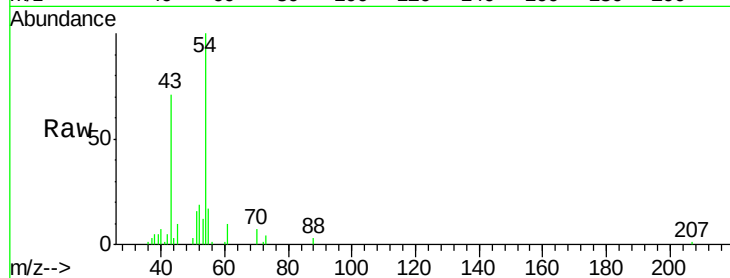
#37
Ethyl Acetate
Concen: 20.353 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	9.8	8.4	12.6

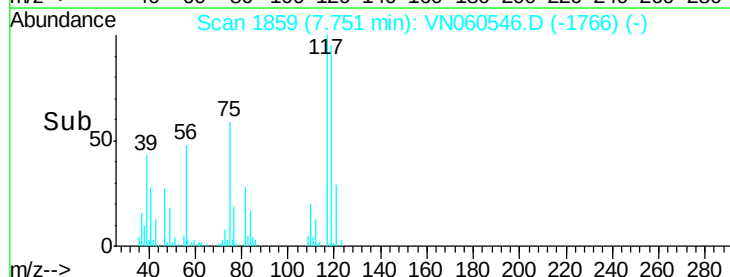
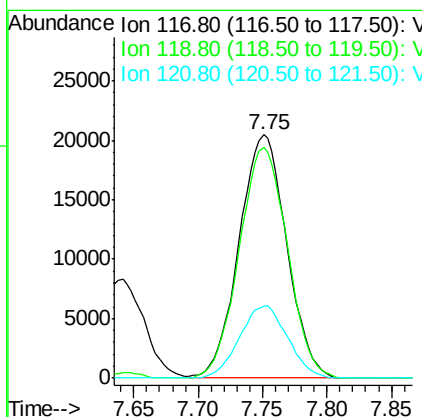
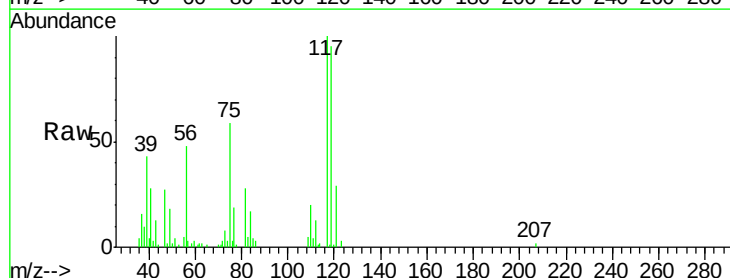
Manual Integrations
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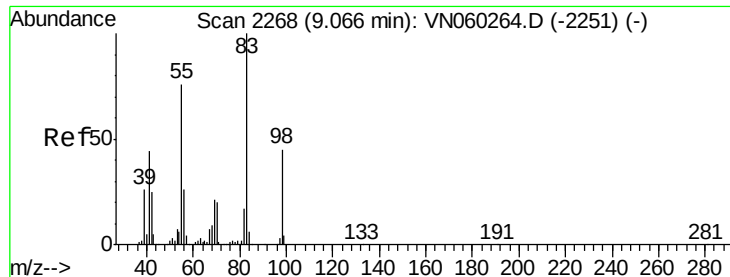
MMDadoda
3/18/2020 5:34:54 PM



#38
Carbon Tetrachloride
Concen: 16.542 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.7	115.1
121	29.5	24.5	36.7





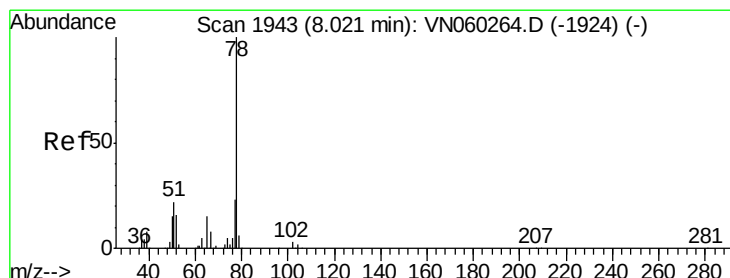
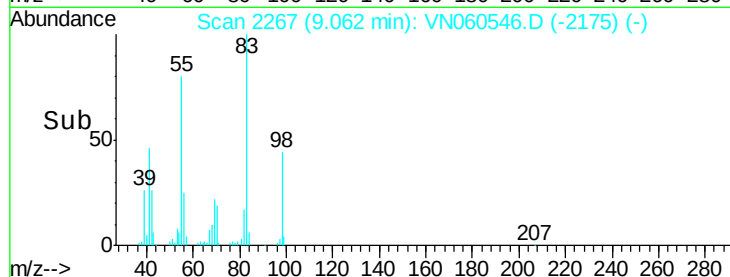
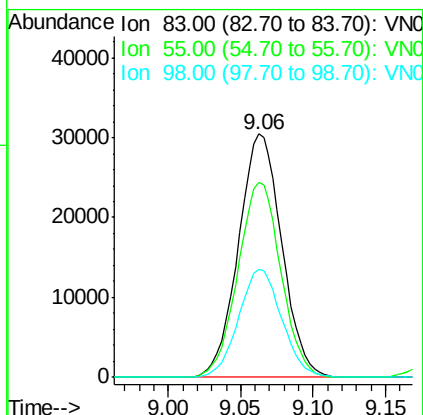
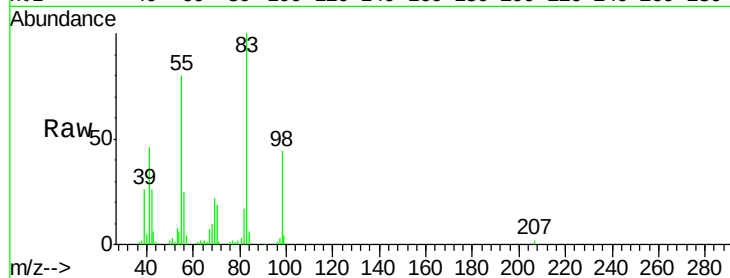
#39
Methylvlcyclohexane
Concen: 16.430 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	61.0	91.4
98	44.3	36.1	54.1

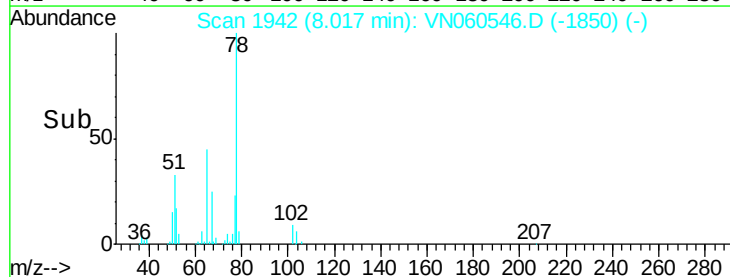
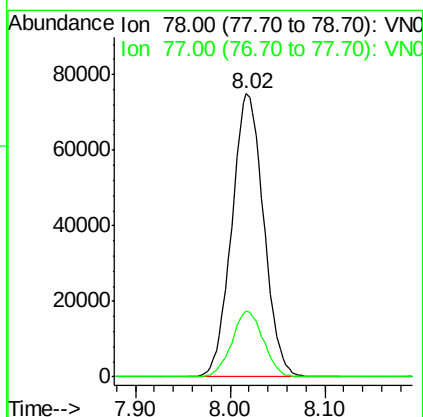
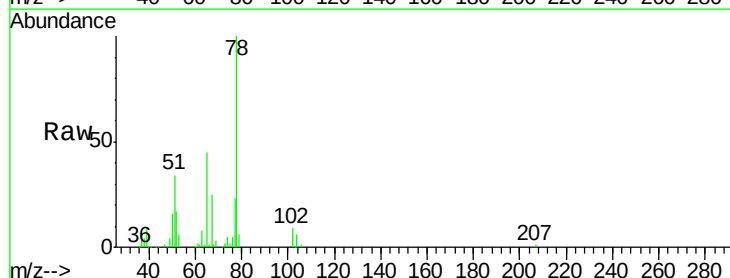
Manual Integrations
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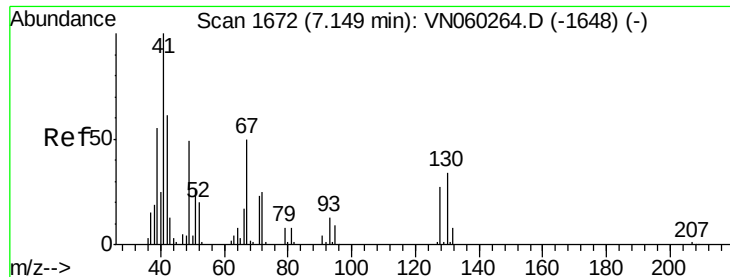
MMDadoda
3/18/2020 5:34:54 PM



#40
Benzene
Concen: 18.478 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





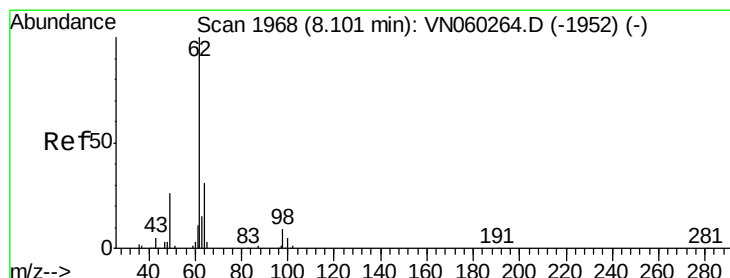
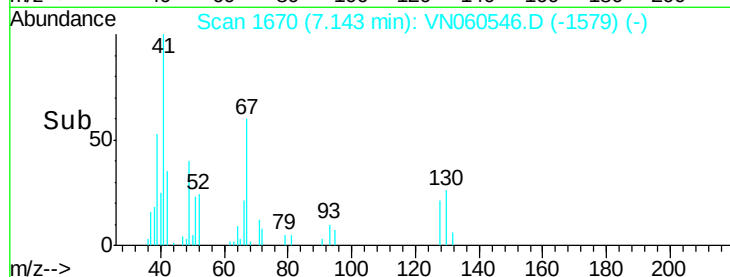
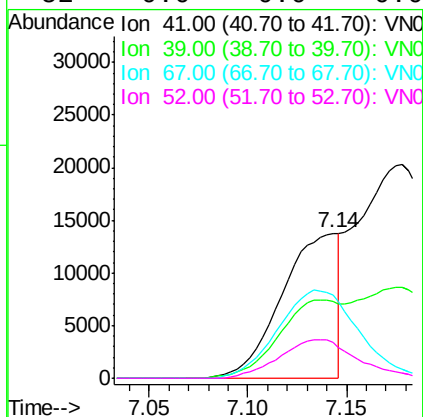
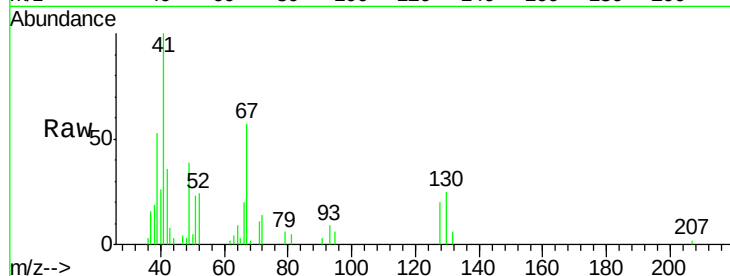
#41
Methacrylonitrile
Concen: 19.463 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

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

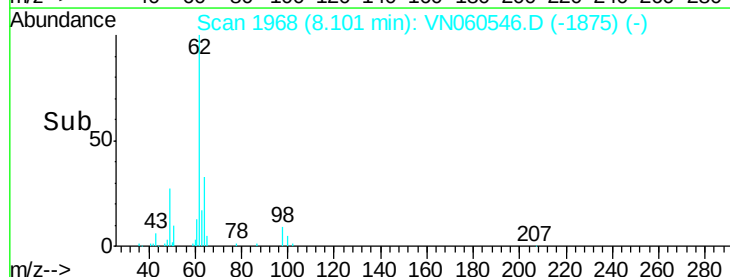
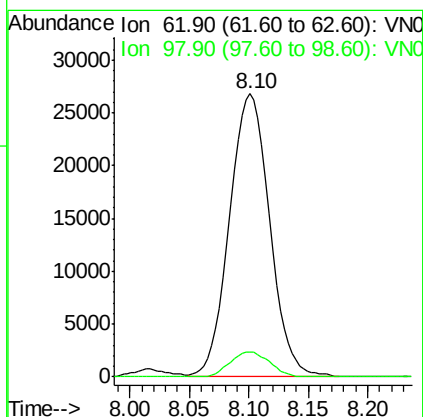
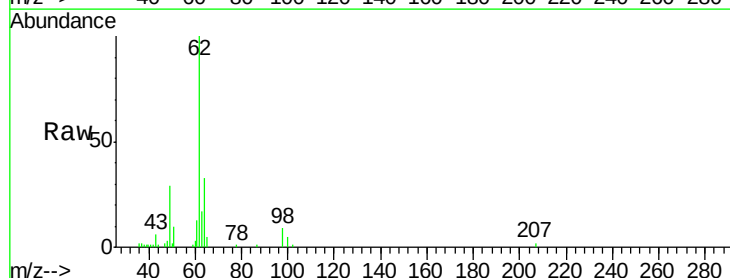
Manual Integrations
APPROVED

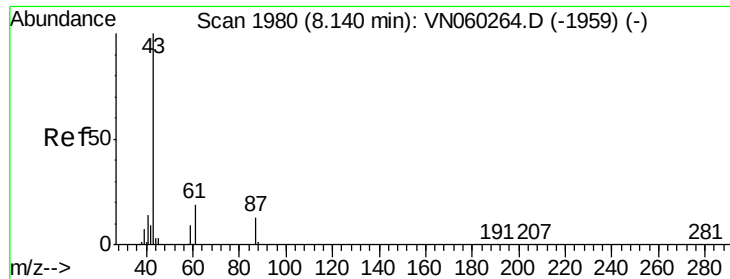
MMDadoda
3/18/2020 5:34:54 PM



#42
1,2-Dichloroethane
Concen: 18.338 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.559 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

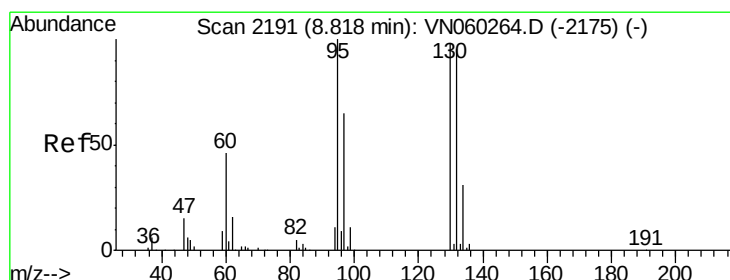
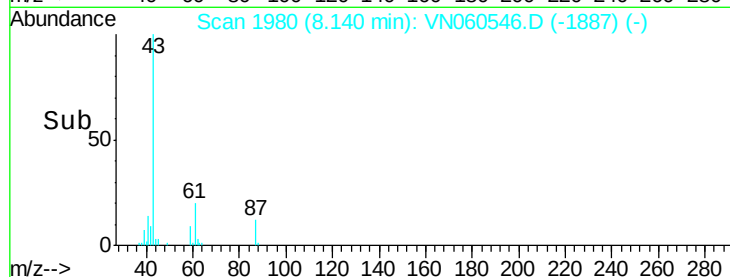
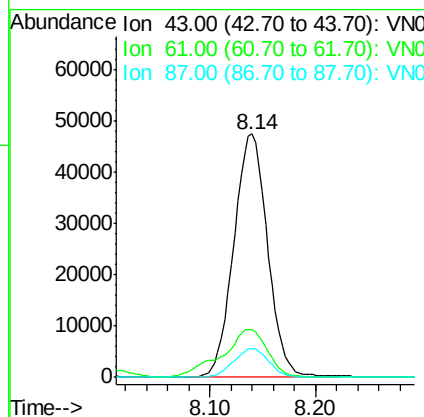
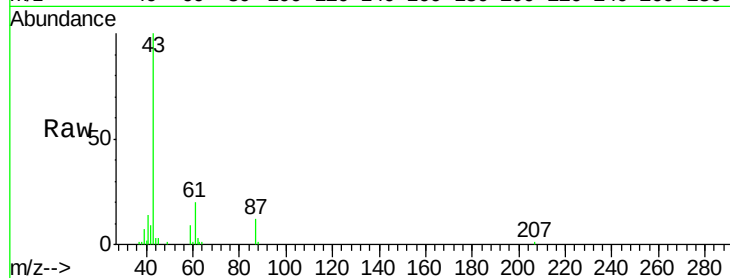
ClientSampleId :

VN0317WBS01

Tot Ion:	43	Resp:	105876
Ion	Ratio	Lower	Upper
43	100		
61	26.4	20.9	31.3
87	12.2	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 17.409 ug/l

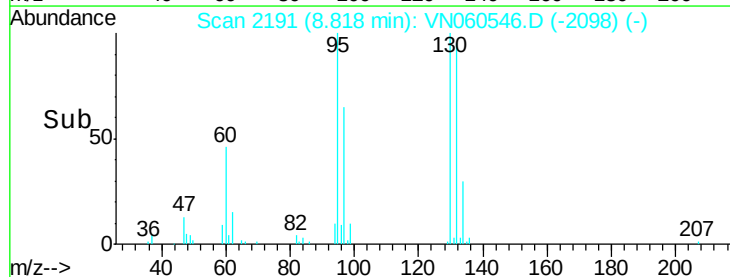
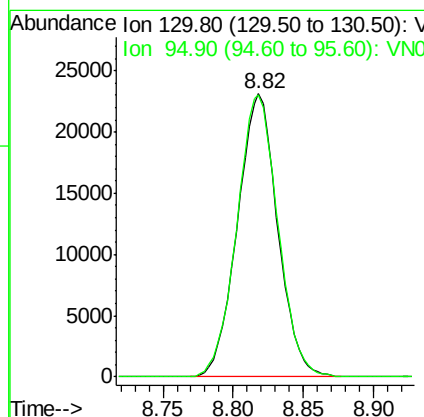
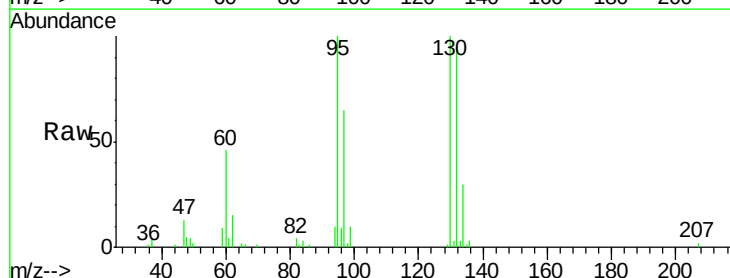
RT: 8.82 min Scan# 2191

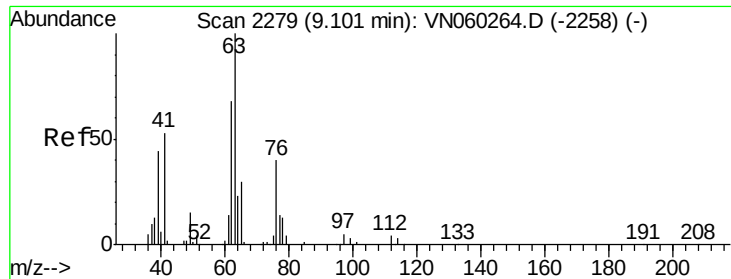
Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion:	130	Resp:	46083
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	203.4





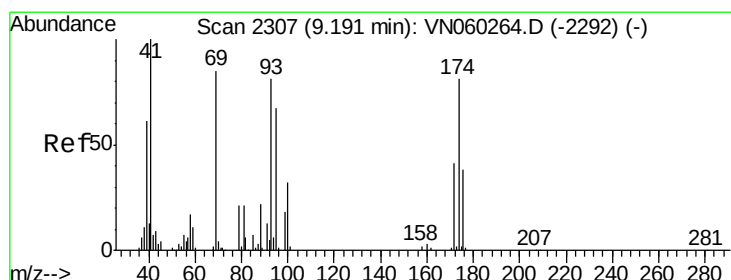
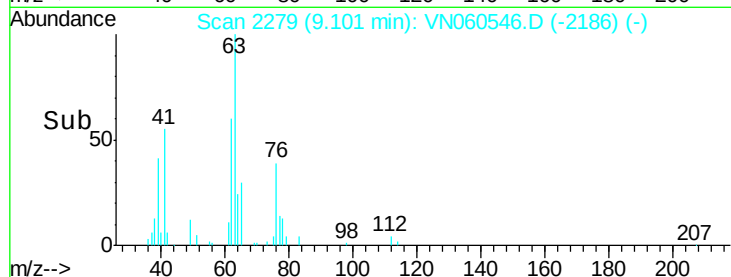
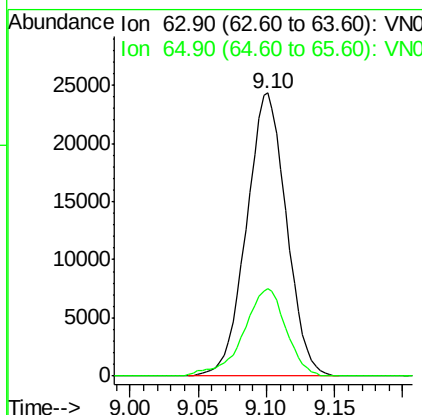
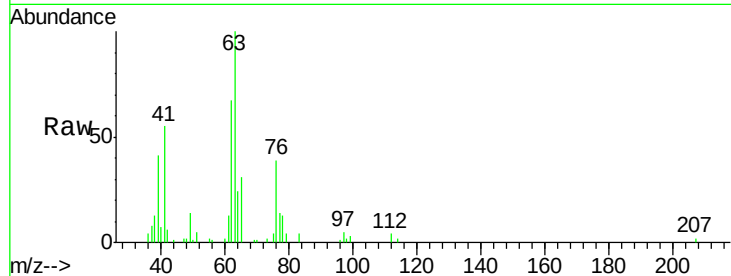
#45
 1,2-Dichloropropane
 Concen: 19.872 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.4	36.6

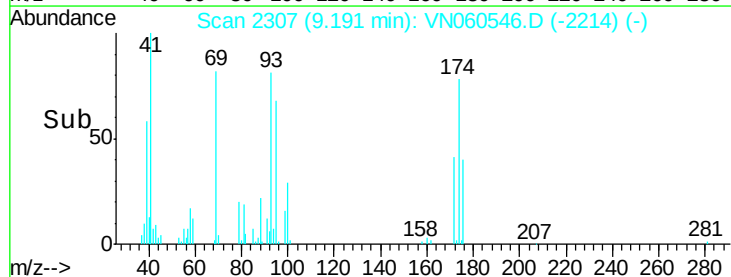
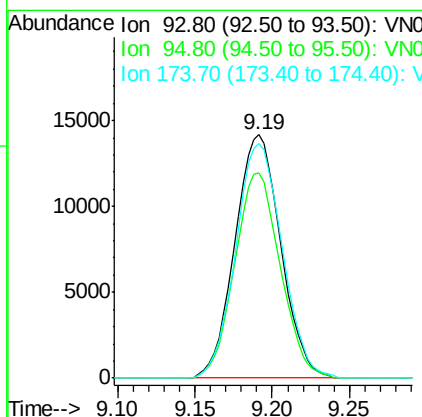
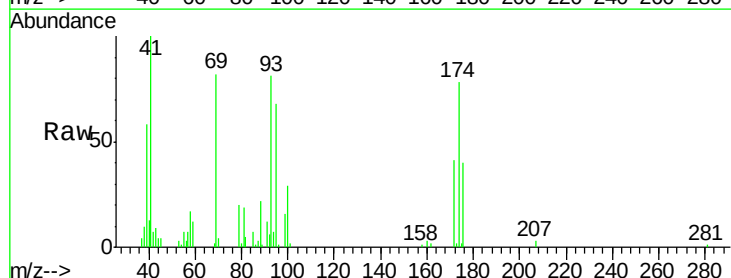
Manual Integrations
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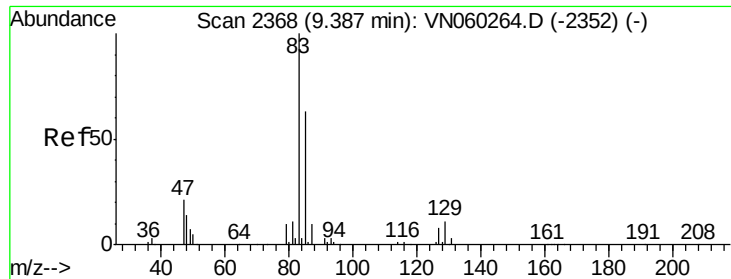
MMDadoda
 3/18/2020 5:34:54 PM



#46
 Dibromomethane
 Concen: 18.107 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.9	98.9
174	97.9	79.6	119.4





#47

Bromodichloromethane

Concen: 18.937 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

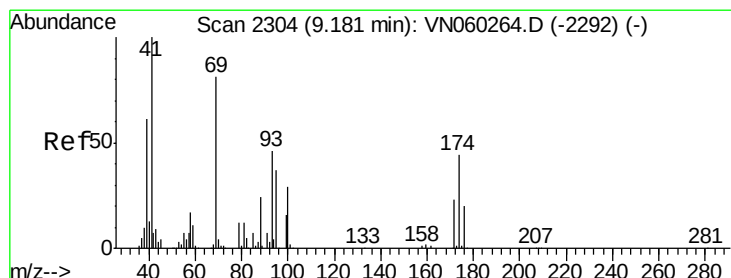
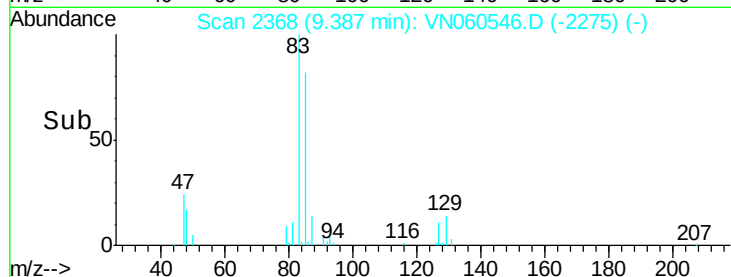
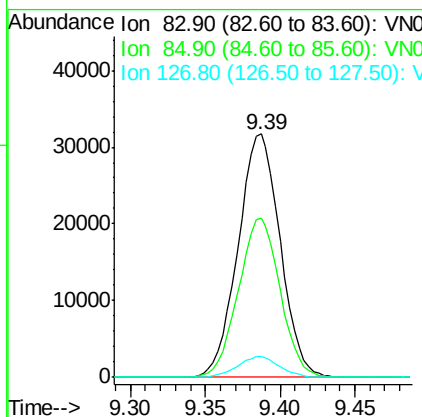
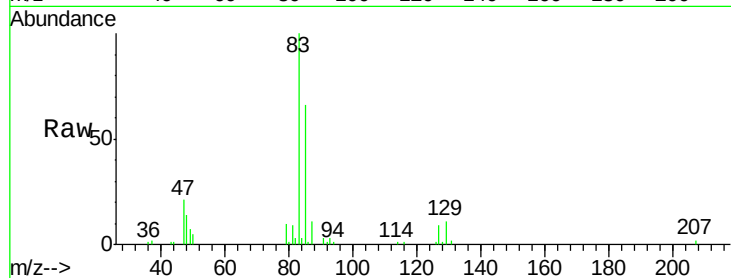
ClientSampleId :

VN0317WBS01

Tot Ion:	83	Resp:	62101
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.7	76.1
127	8.7	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.510 ug/l

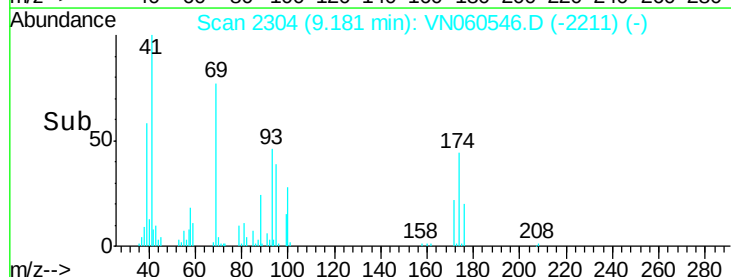
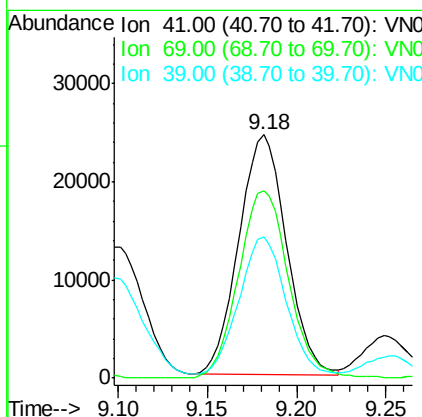
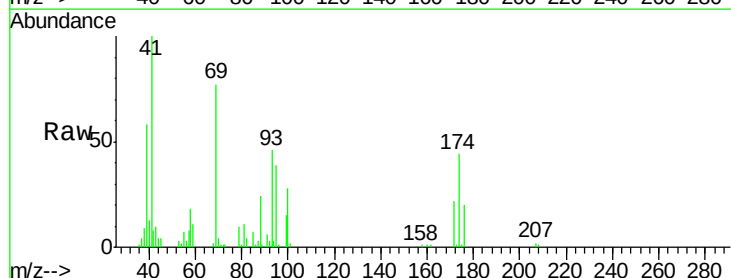
RT: 9.18 min Scan# 2304

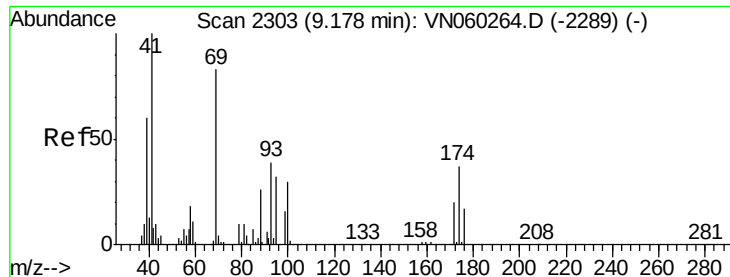
Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion:	41	Resp:	45690
Ion	Ratio	Lower	Upper
41	100		
69	82.0	66.7	100.1
39	59.9	50.1	75.1





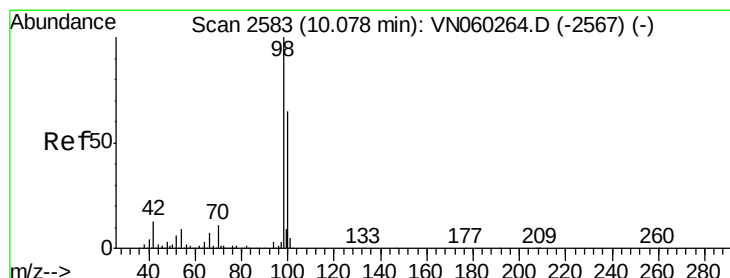
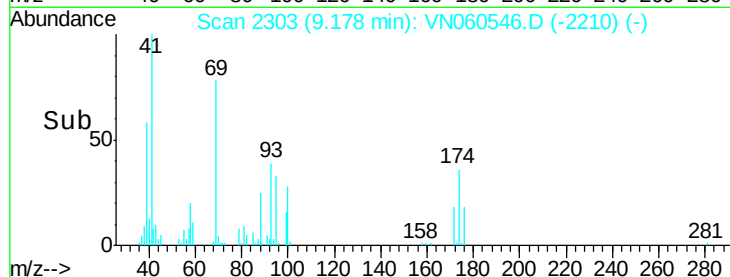
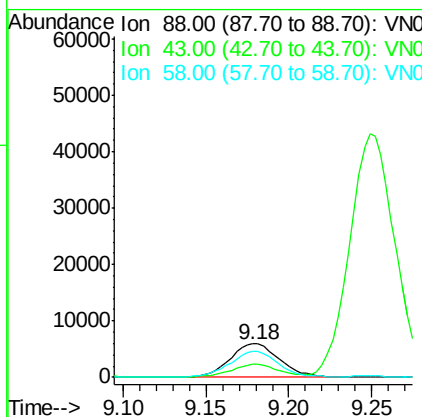
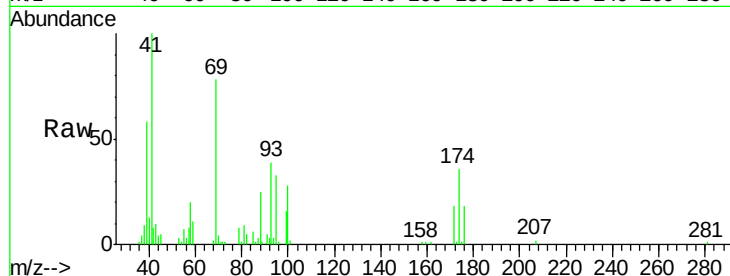
#49
1,4-Dioxane
Concen: 354.077 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	30.4	45.6
58	76.9	57.0	85.6

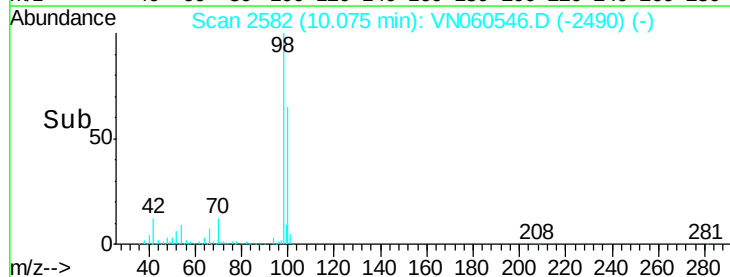
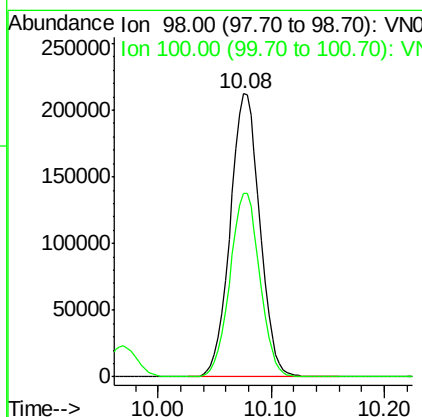
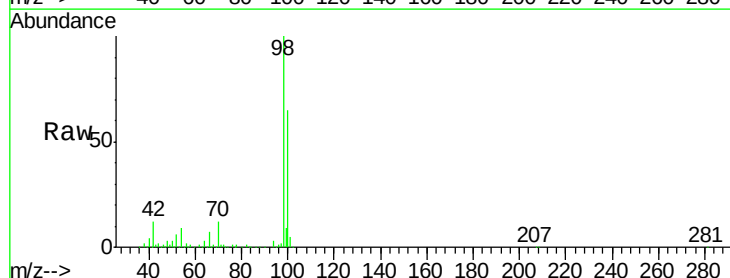
Manual Integrations
APPROVED

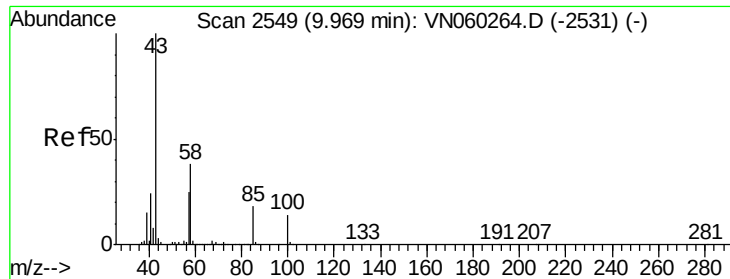
MMDadoda
3/18/2020 5:34:54 PM



#50
Toluene-d8
Concen: 48.059 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





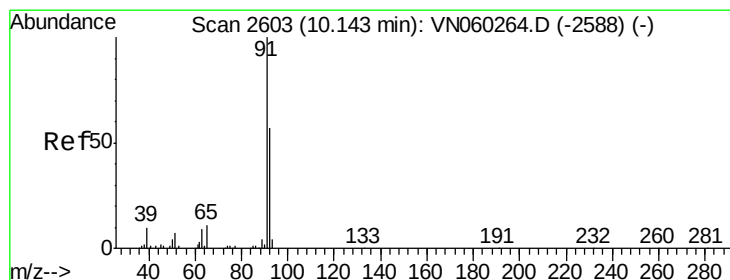
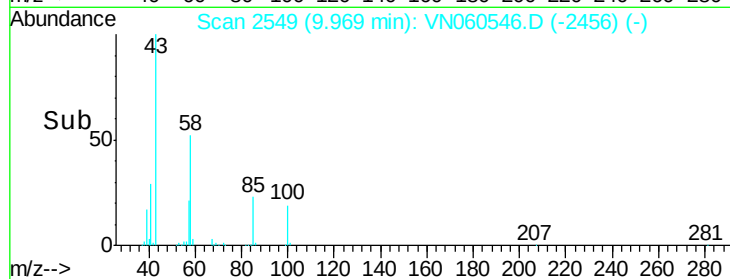
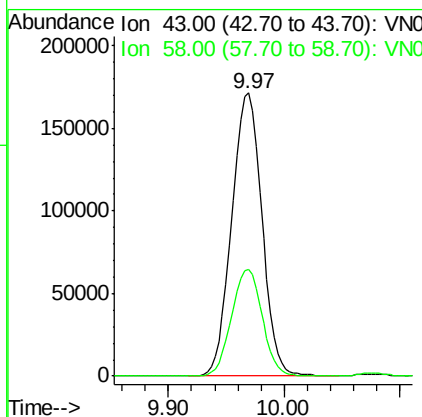
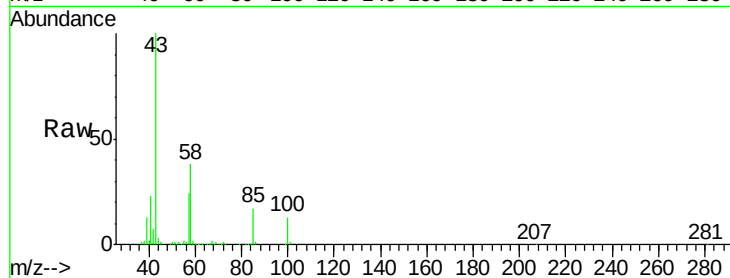
#51
 4-Methyl-2-Pentanone
 Concen: 100.755 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.9	46.3

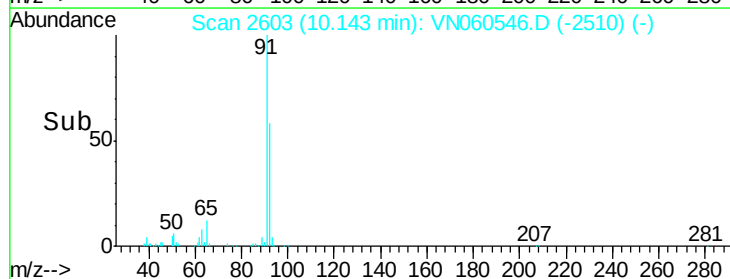
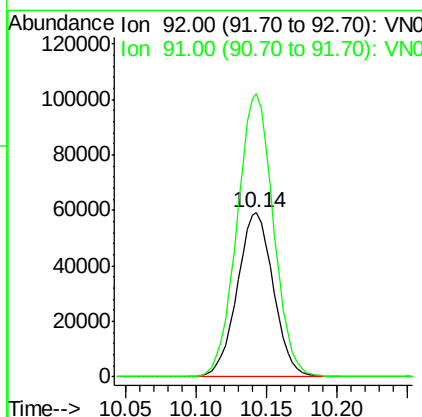
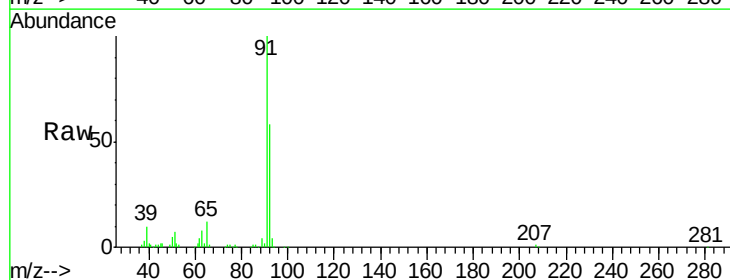
Manual Integrations
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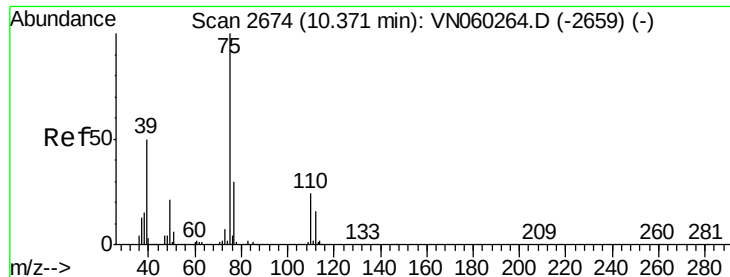
MMDadoda
 3/18/2020 5:34:54 PM



#52
 Toluene
 Concen: 17.806 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.1	207.1





#53

t-1,3-Dichloropropene

Concen: 17.773 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBS01

Tot Ion: 75 Resp: 71416

Ion Ratio Lower Upper

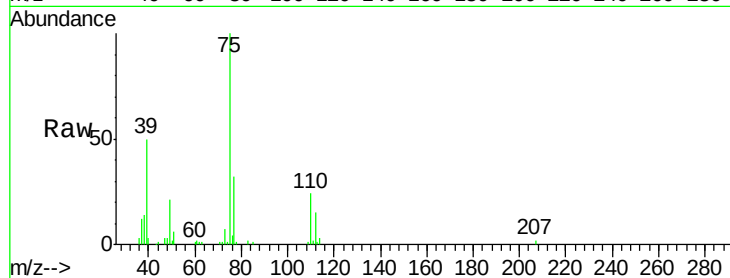
75 100

77 31.6 24.8 37.2

Manual Integrations
APPROVED

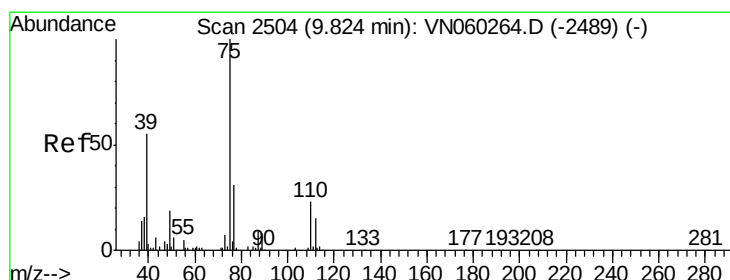
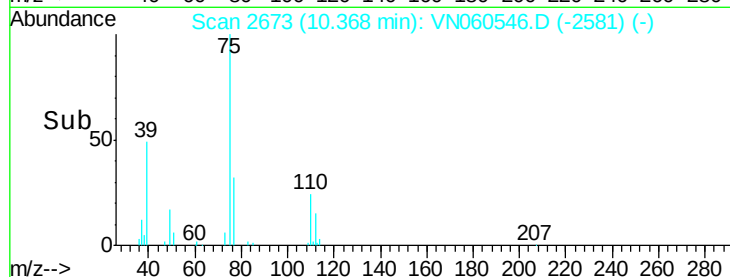
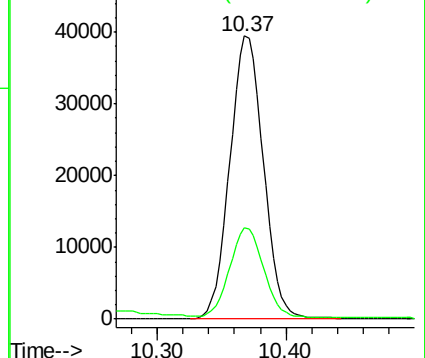
MMDadoda

3/18/2020 5:34:54 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.706 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

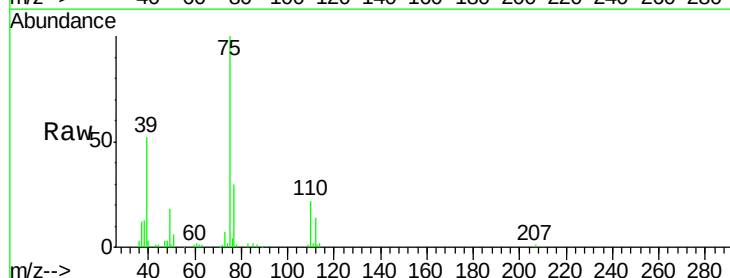
Tgt Ion: 75 Resp: 77887

Ion Ratio Lower Upper

75 100

77 30.2 24.8 37.2

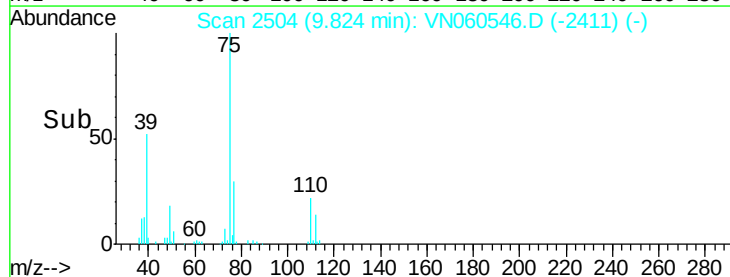
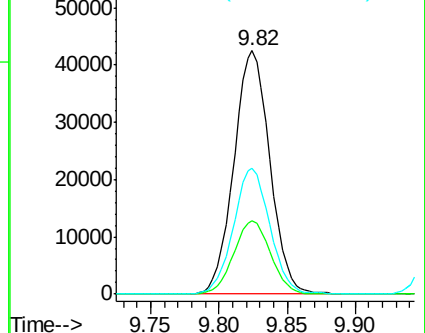
39 51.8 43.8 65.8

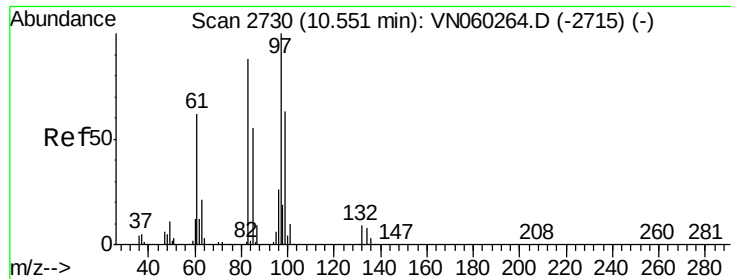


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





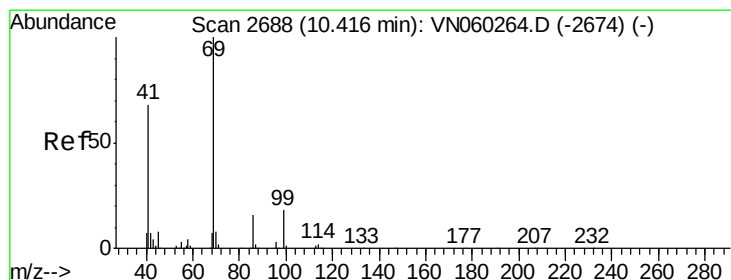
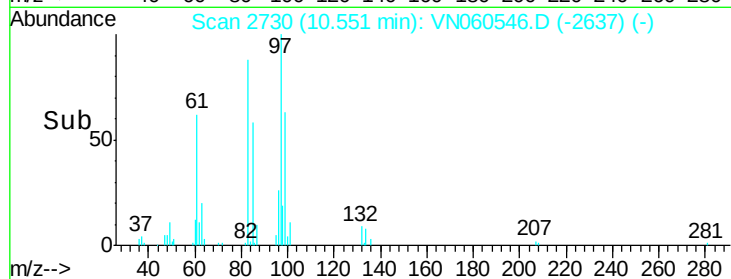
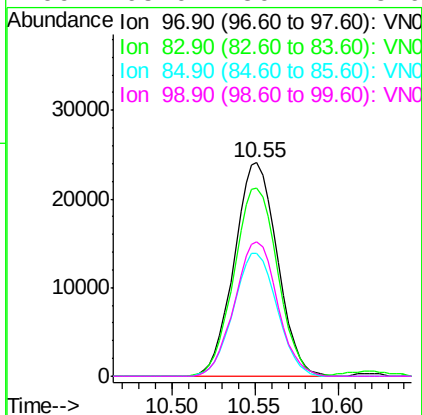
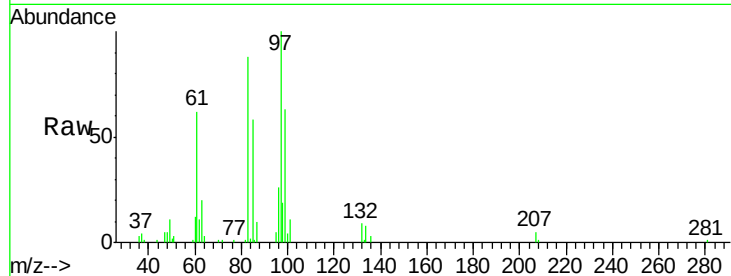
#55
 1,1,2-Trichloroethane
 Concen: 18.160 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion:	97	Resp:	43601
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.0	105.0
85	57.7	44.0	66.0
99	63.0	50.4	75.6

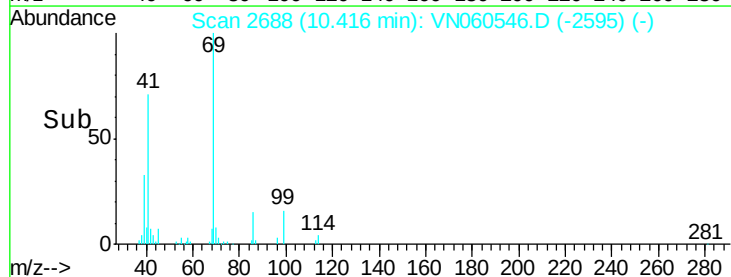
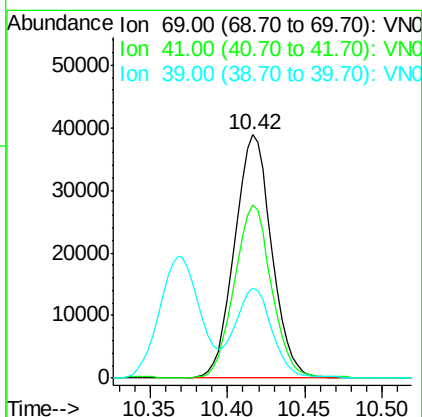
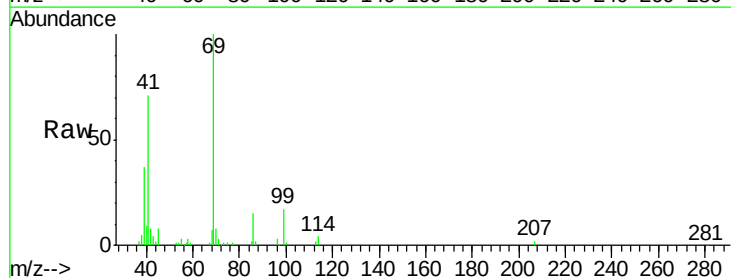
Manual Integrations
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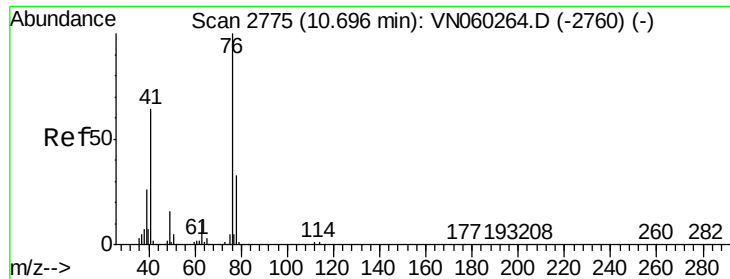
MMDadoda
 3/18/2020 5:34:54 PM



#56
 Ethyl methacrylate
 Concen: 18.777 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion:	69	Resp:	64768
Ion	Ratio	Lower	Upper
69	100		
41	71.5	54.1	81.1
39	37.9	32.5	48.7





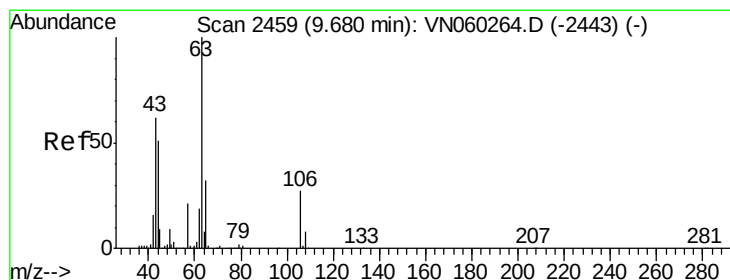
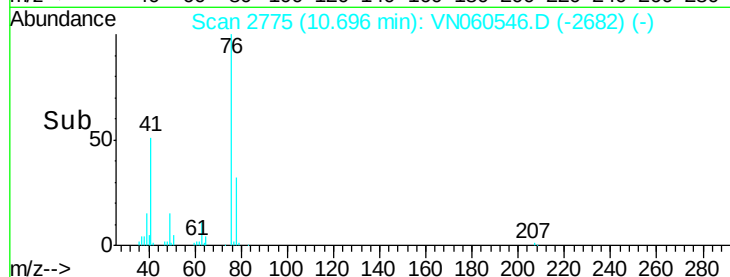
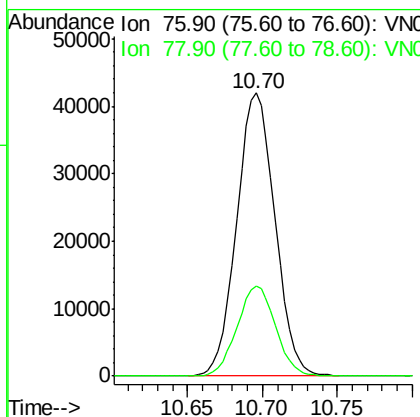
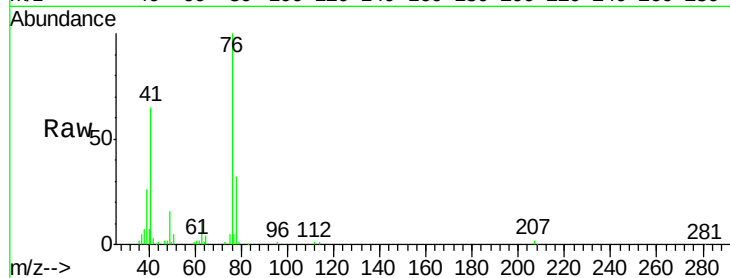
#57
 1,3-Dichloropropane
 Concen: 19.063 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion: 76 Resp: 74640
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2

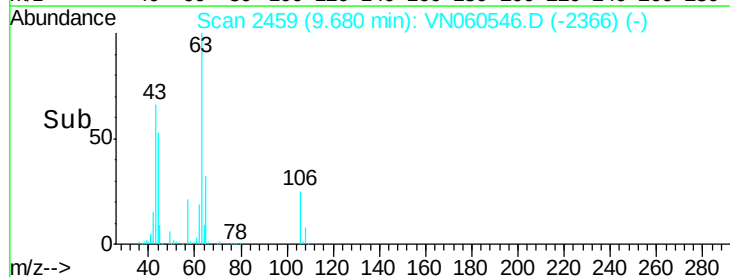
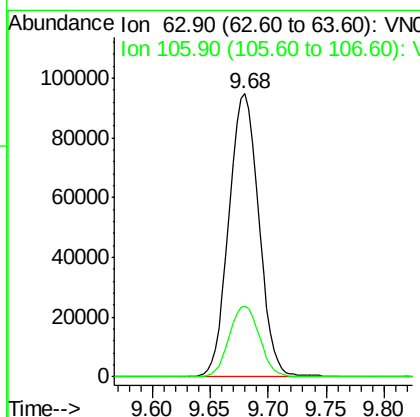
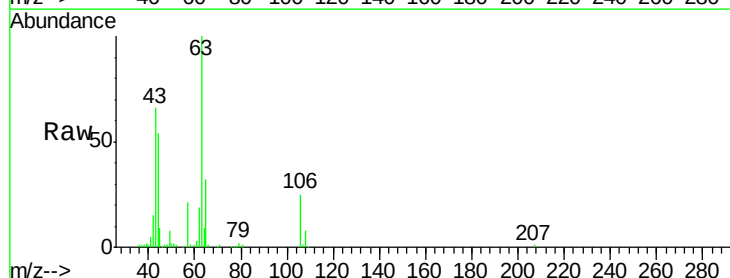
Manual Integrations
 APPROVED

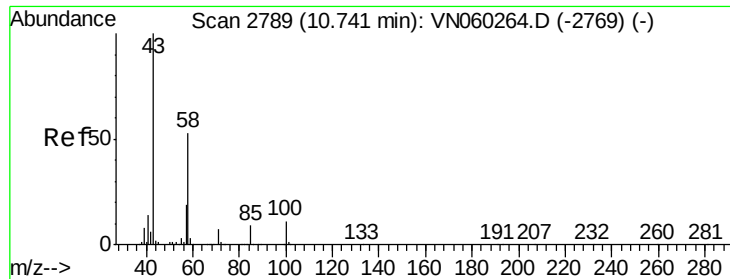
MMDadoda
 3/18/2020 5:34:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.012 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion: 63 Resp: 169597
 Ion Ratio Lower Upper
 63 100
 106 25.3 21.1 31.7





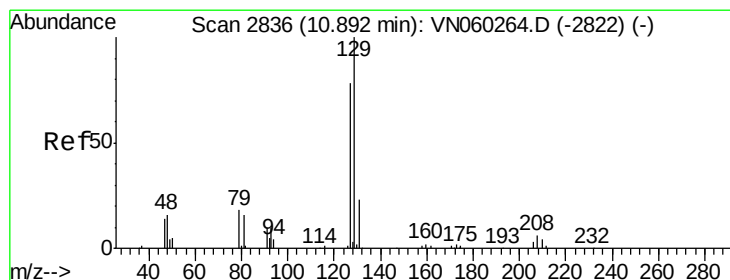
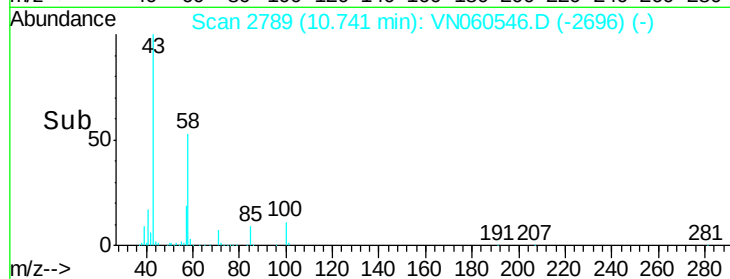
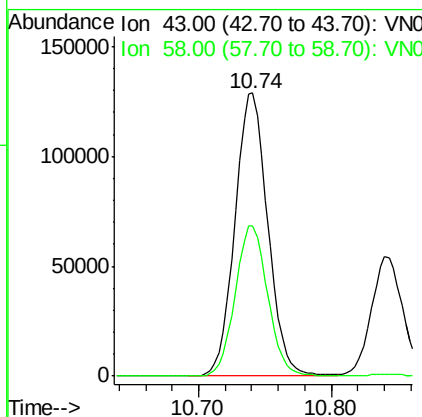
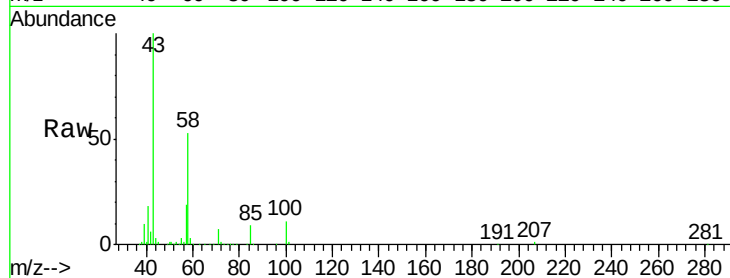
#59
2-Hexanone
Concen: 98.029 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

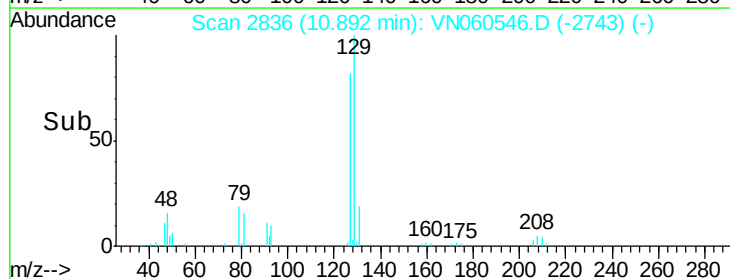
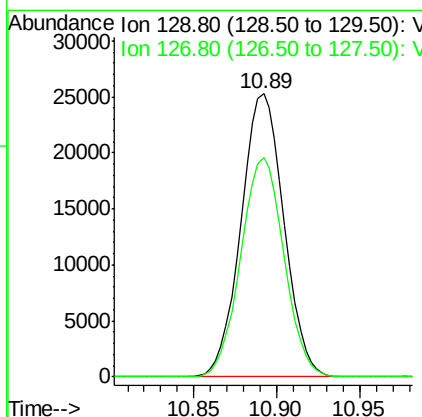
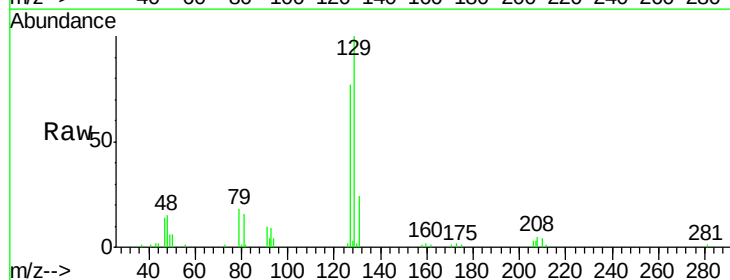
Manual Integrations
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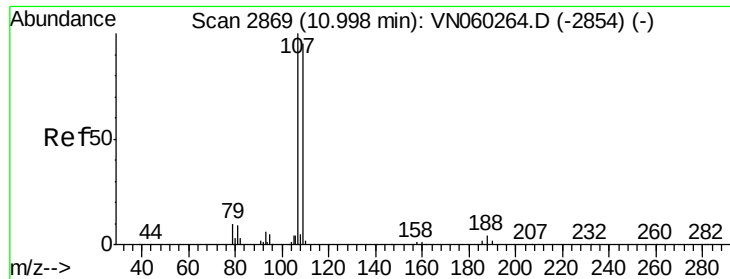
MMDadoda
3/18/2020 5:34:54 PM



#60
Dibromochloromethane
Concen: 18.656 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.9	116.7





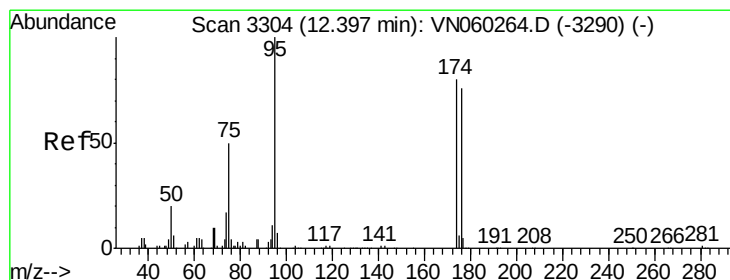
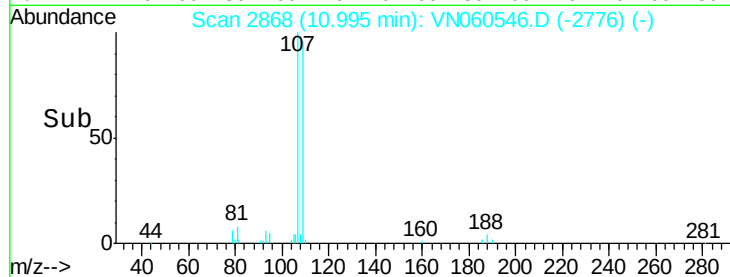
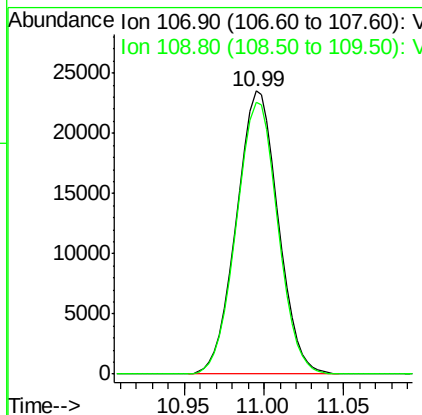
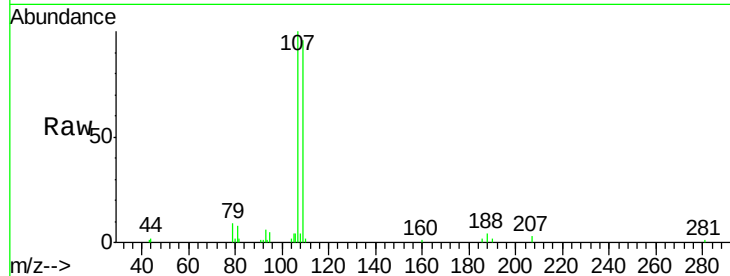
#61
 1,2-Dibromoethane
 Concen: 17.849 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion: 107 Resp: 41776
 Ion Ratio Lower Upper
 107 100
 109 95.6 76.8 115.2

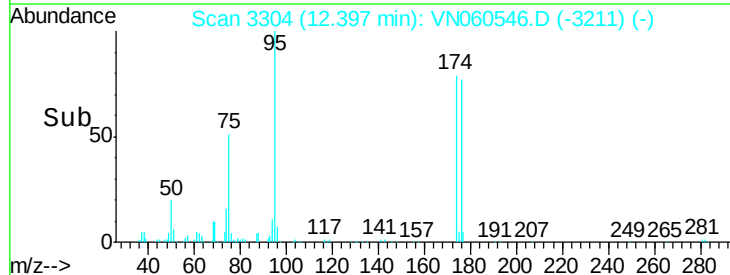
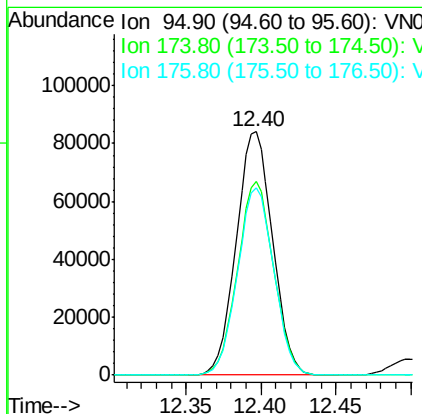
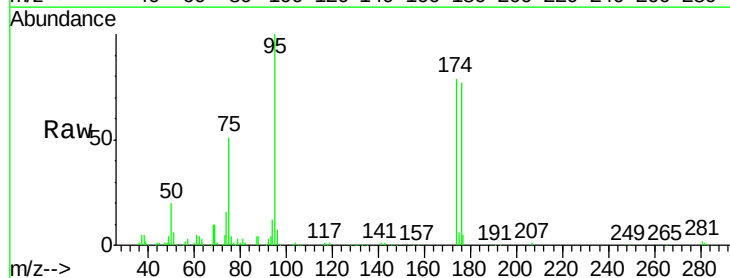
Manual Integrations
 APPROVED

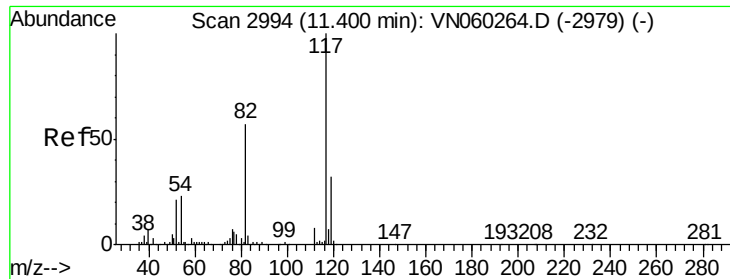
MMDadoda
 3/18/2020 5:34:54 PM



#62
 4-Bromofluorobenzene
 Concen: 46.664 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion: 95 Resp: 142385
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 159.2
 176 76.6 0.0 153.8





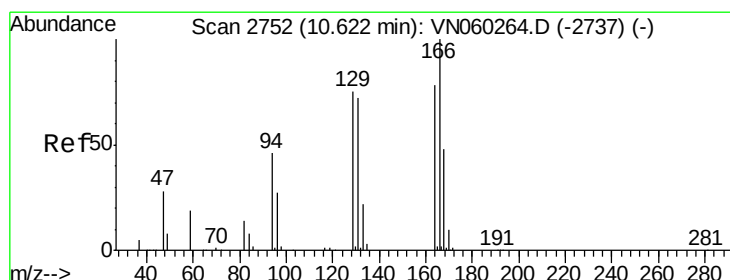
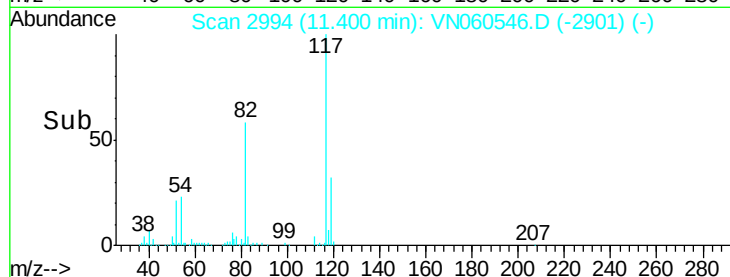
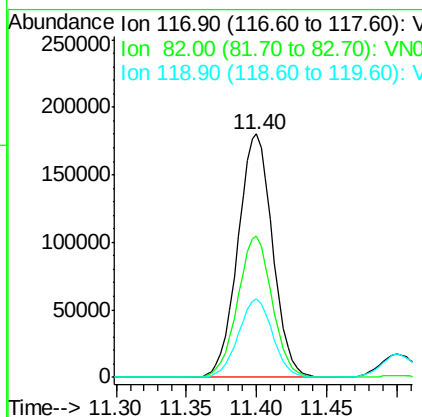
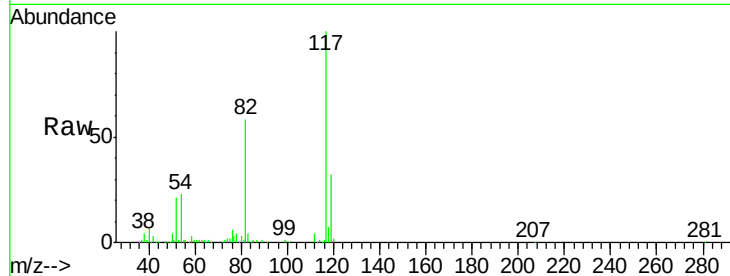
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	309631		
82	58.1		45.8	68.6
119	32.0		25.8	38.8

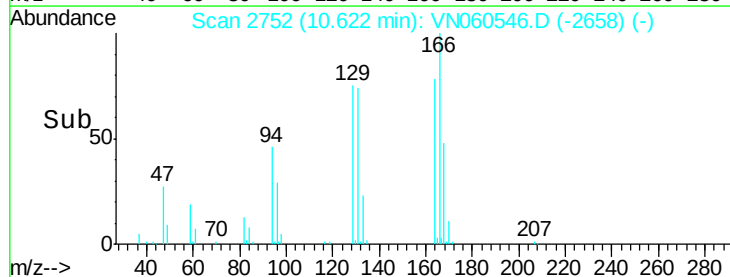
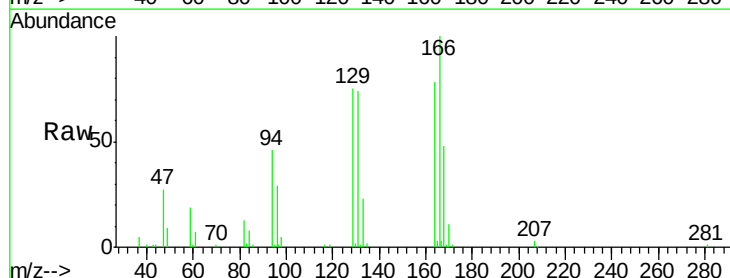
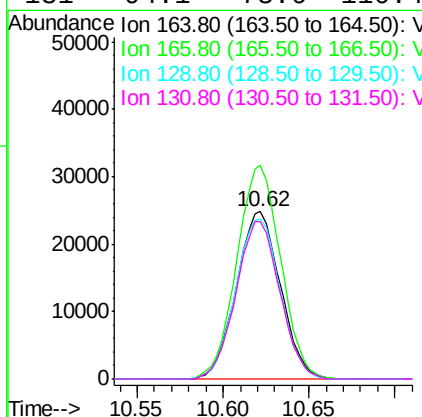
Manual Integrations
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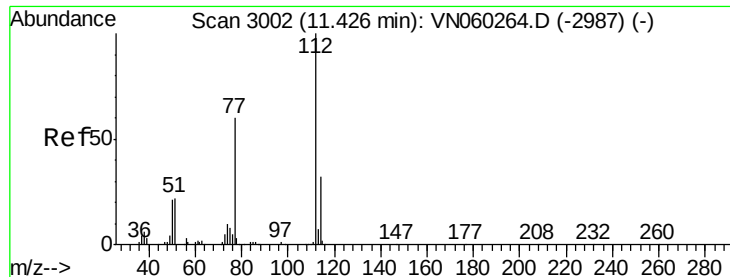
MMDadoda
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#64
Tetrachloroethene
Concen: 17.111 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43983		
166	127.5		102.0	153.0
129	95.8		76.4	114.6
131	94.1		73.6	110.4





#65

Chlorobenzene

Concen: 17.775 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBS01

Tot Ion:112 Resp: 111131

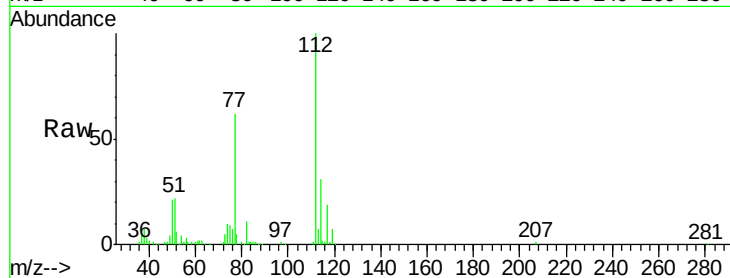
Ion Ratio Lower Upper

112 100

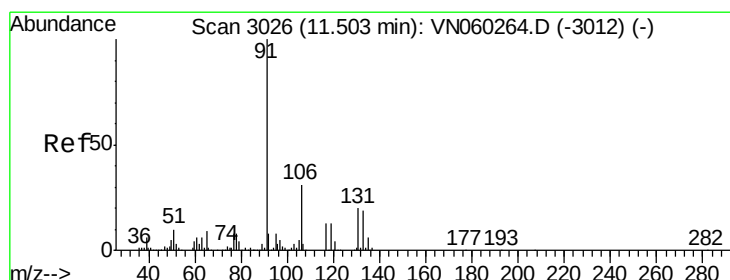
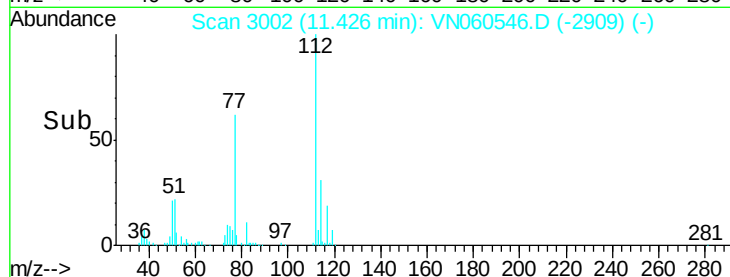
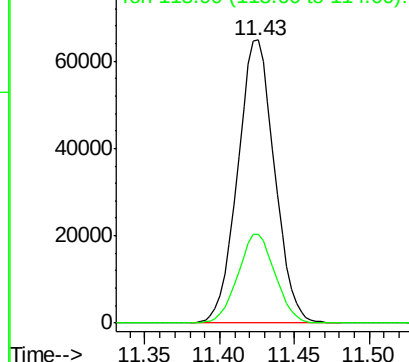
114 31.5 25.4 38.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.570 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

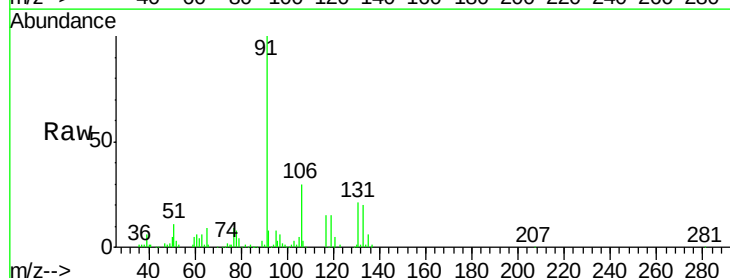
Tgt Ion:131 Resp: 42929

Ion Ratio Lower Upper

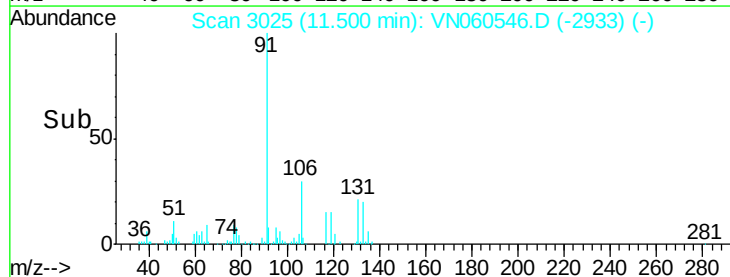
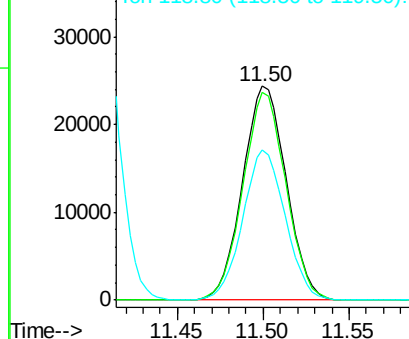
131 100

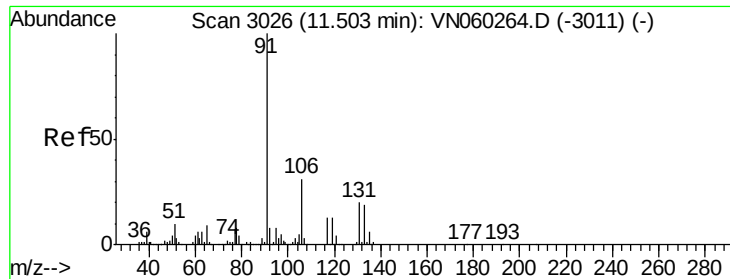
133 95.2 47.7 143.1

119 68.1 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





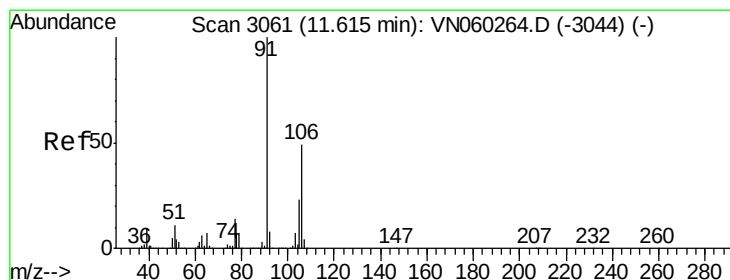
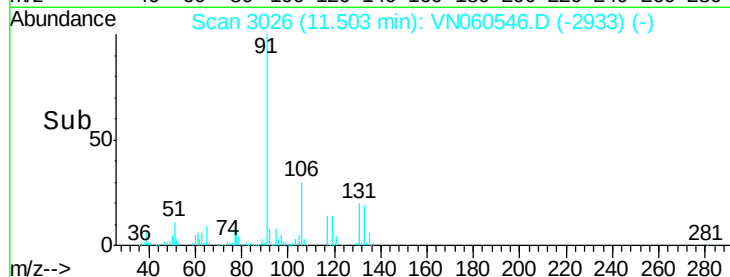
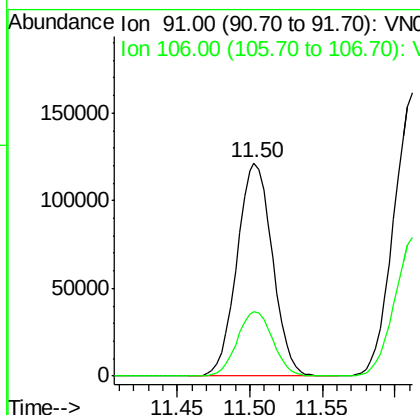
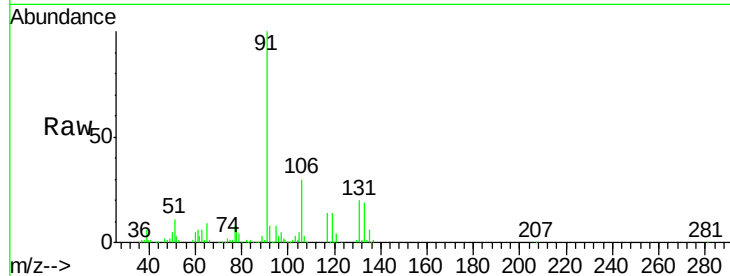
#67
Ethyl Benzene
Concen: 18.122 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampled :
VN0317WBS01

Tot Ion: 91 Resp: 206331
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1

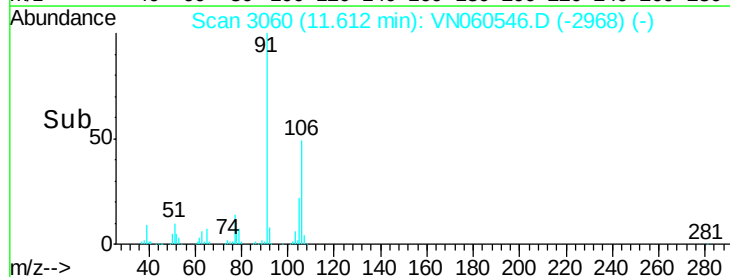
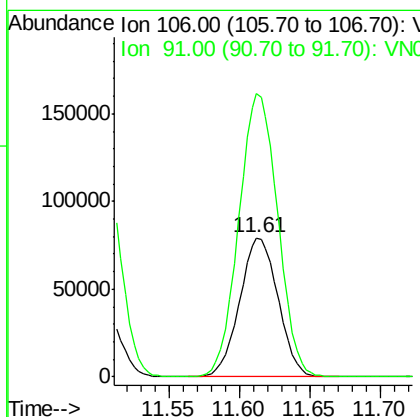
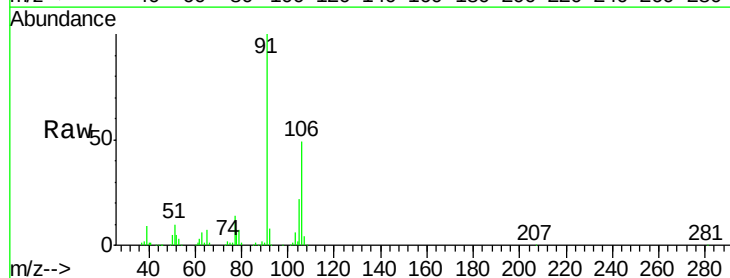
Manual Integrations
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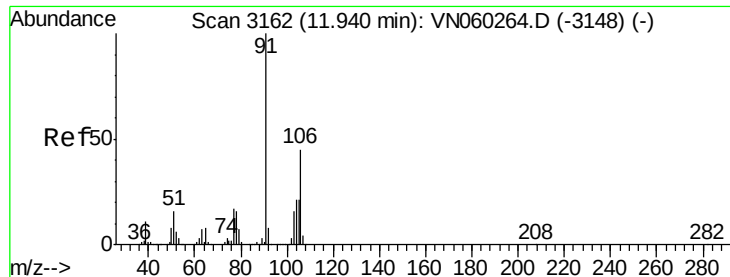
MMDadoda
3/18/2020 5:34:54 PM



#68
m/p-Xylenes
Concen: 35.190 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion: 106 Resp: 151167
Ion Ratio Lower Upper
106 100
91 206.5 164.5 246.7





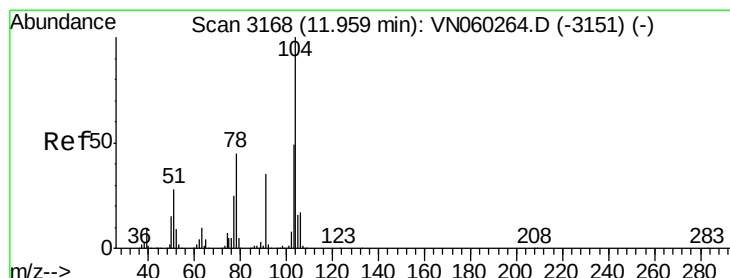
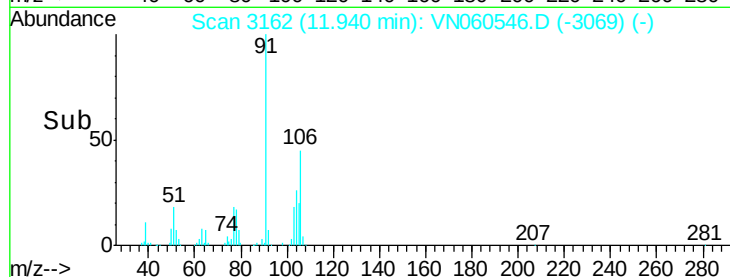
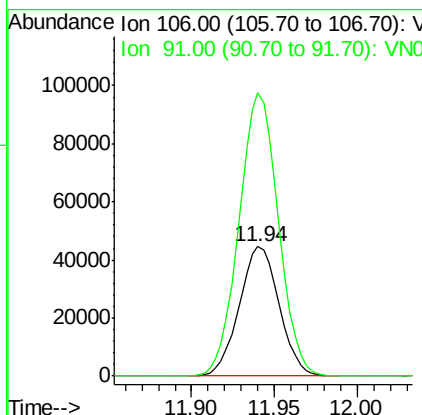
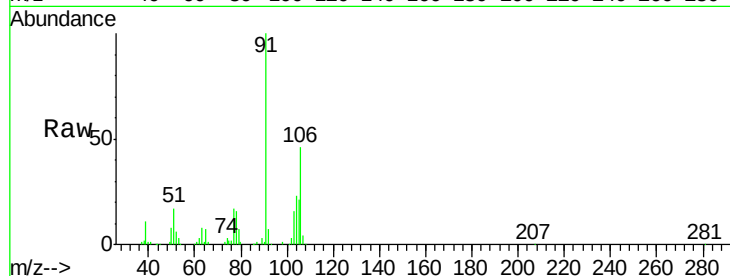
#69
o-Xylene
Concen: 18.170 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampled :
VN0317WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.8	109.5	328.4	

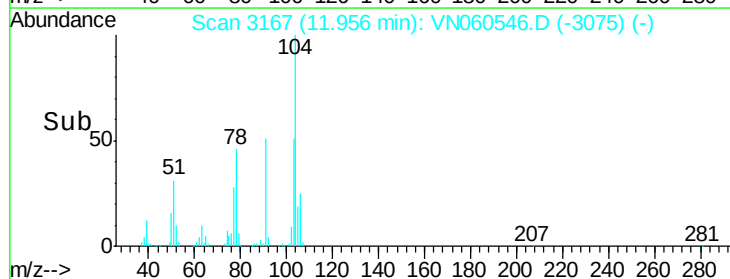
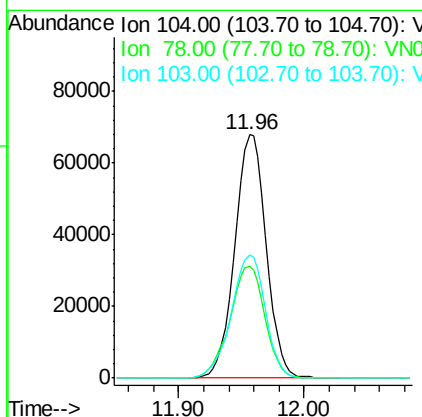
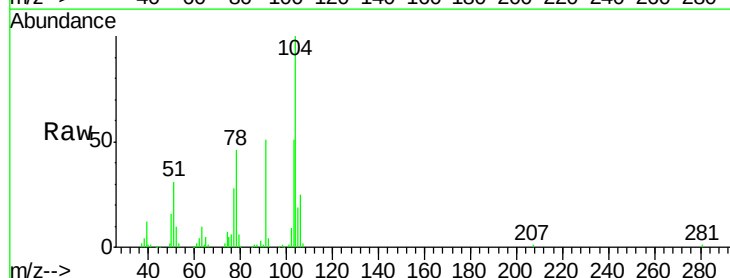
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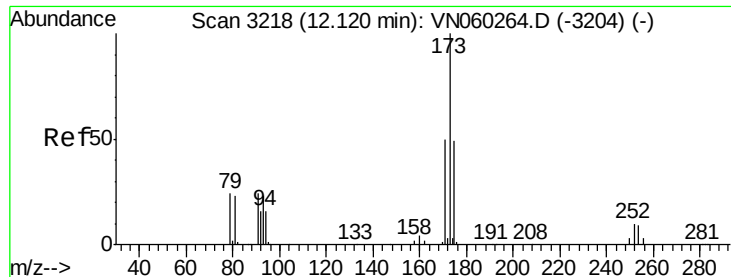
MMDadoda
3/18/2020 5:34:54 PM



#70
Styrene
Concen: 17.567 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.0	41.2	61.8	
103	54.9	43.9	65.9	





#71

Bromoform

Concen: 18.296 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBS01

Tot Ion:173 Resp: 30483

Ion Ratio Lower Upper

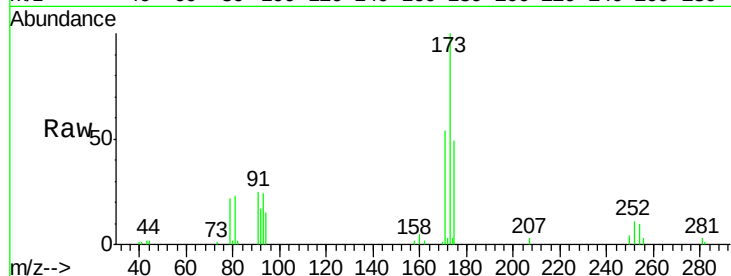
173 100

175 49.3 24.1 72.2

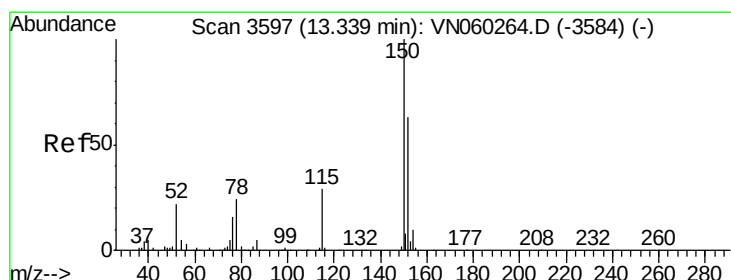
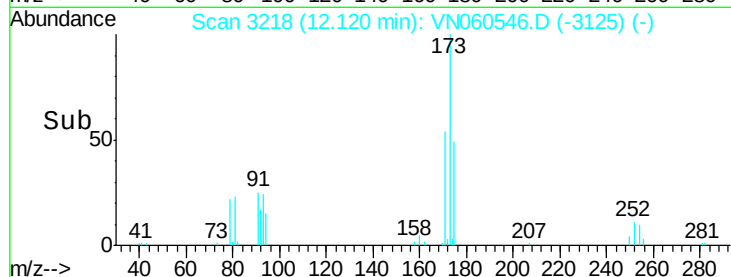
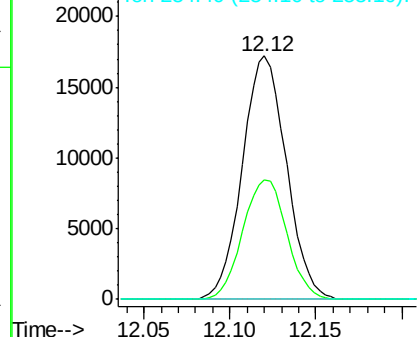
254 0.0 0.0 0.0

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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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

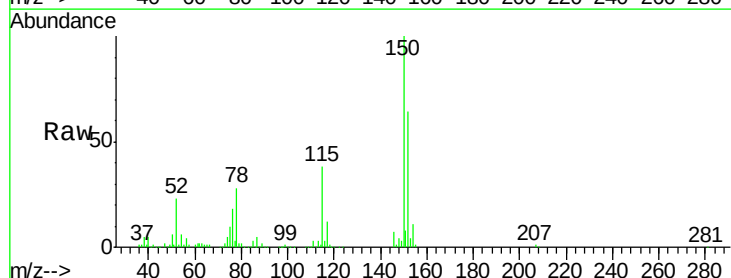
Tgt Ion:152 Resp: 143144

Ion Ratio Lower Upper

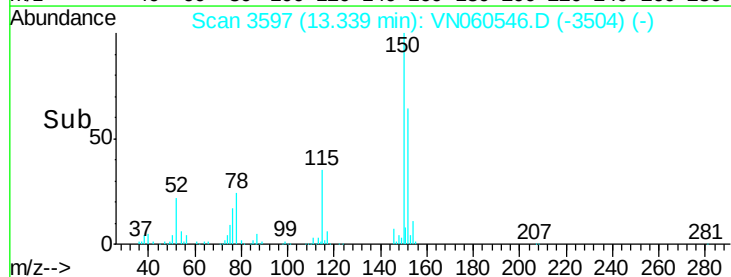
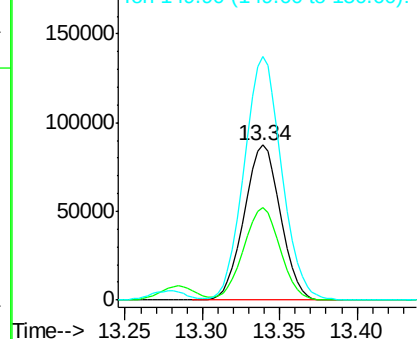
152 100

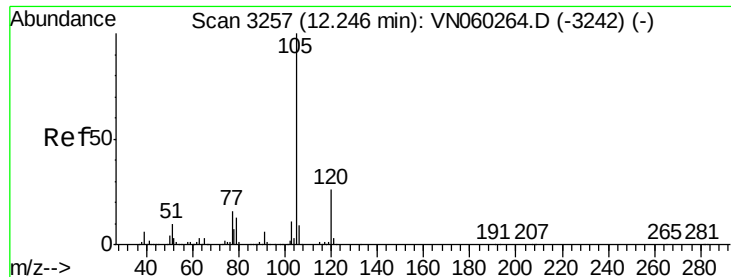
115 59.9 30.0 90.0

150 162.1 0.0 349.6



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: 18.827 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

ClientSampleId :

VN0317WBS01

Tot Ion: 105 Resp: 199752

Ion Ratio Lower Upper

105 100

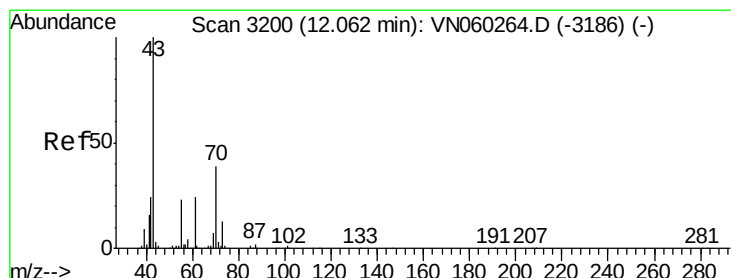
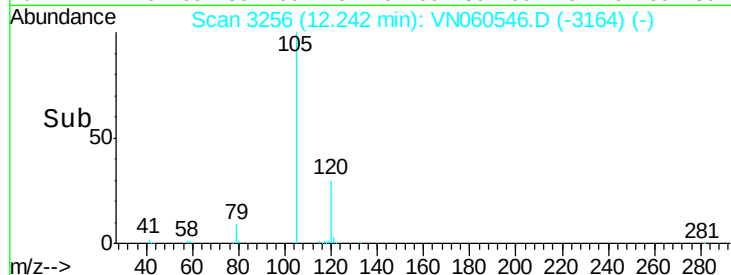
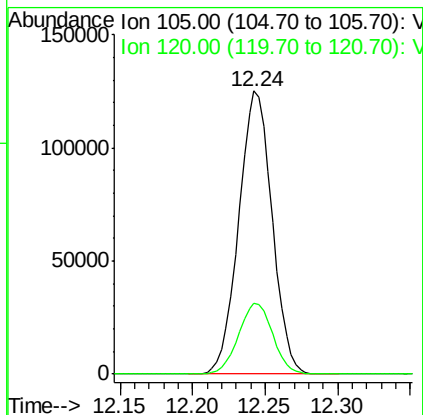
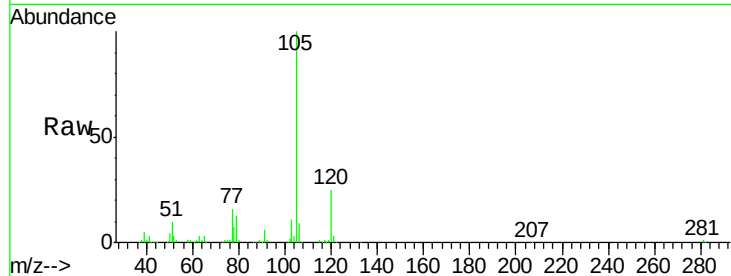
120 25.6 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.846 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion: 43 Resp: 87372

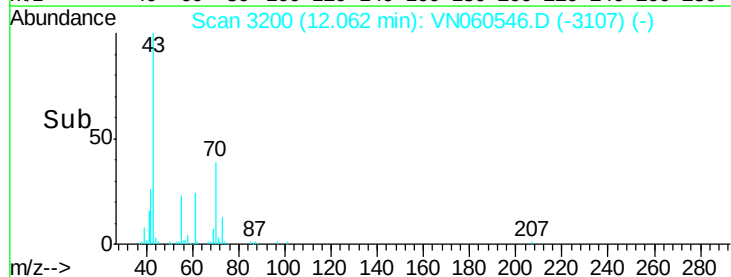
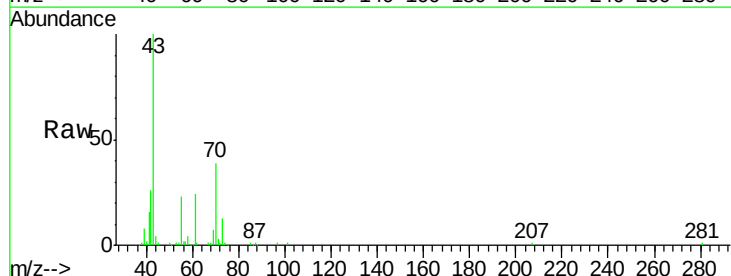
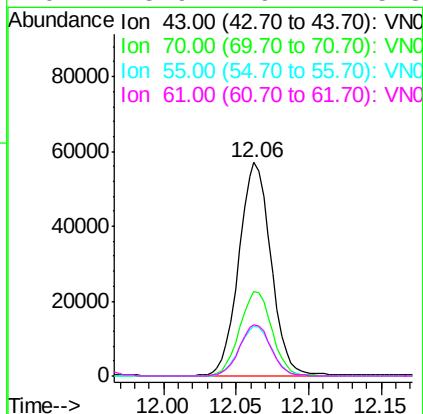
Ion Ratio Lower Upper

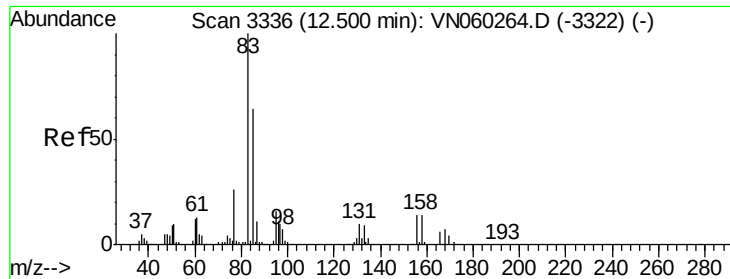
43 100

70 40.1 32.2 48.2

55 23.7 18.2 27.4

61 23.9 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.225 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

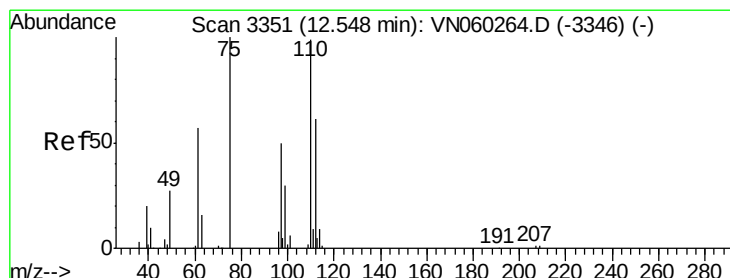
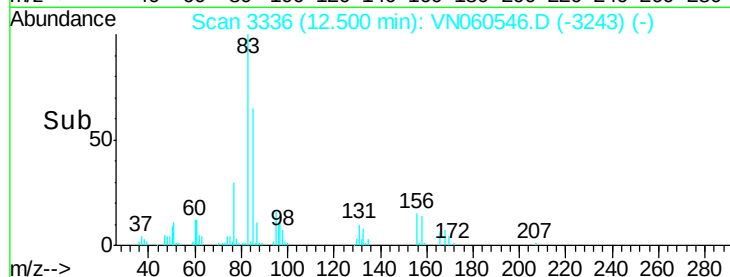
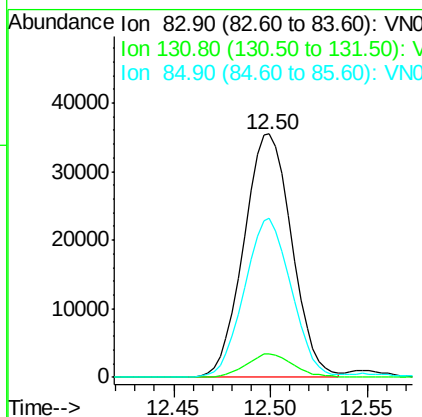
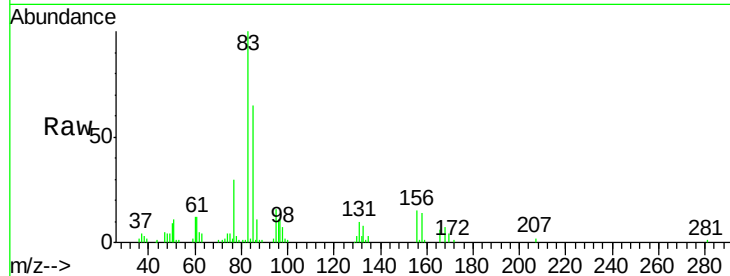
ClientSampleId :

VN0317WBS01

Tot Ion:	83	Resp:	61213
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.1	15.3
85	64.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.611 ug/l m

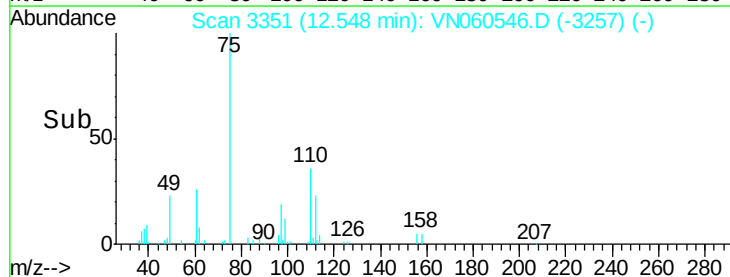
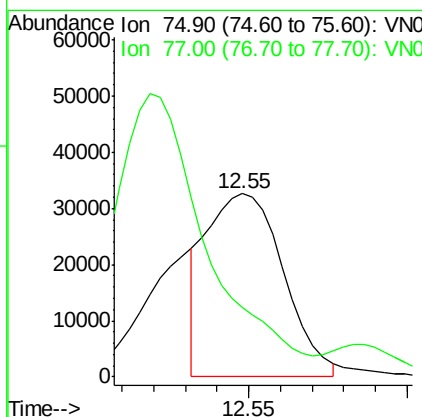
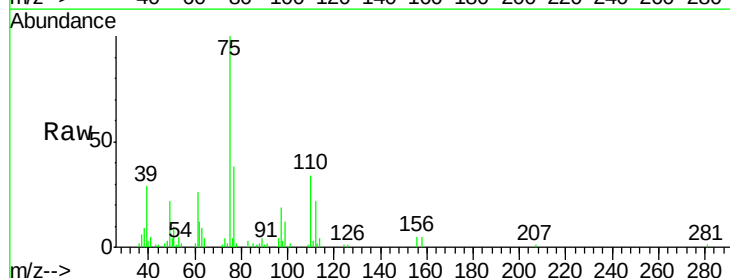
RT: 12.55 min Scan# 3351

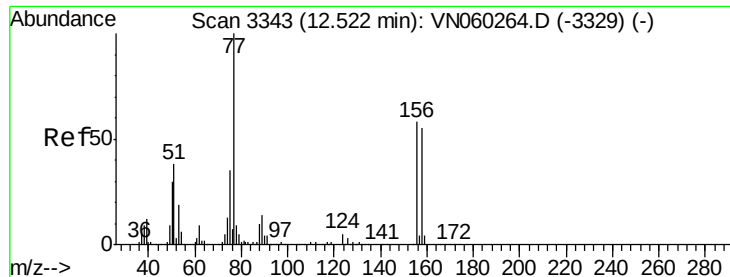
Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion:	75	Resp:	55308
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.155 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

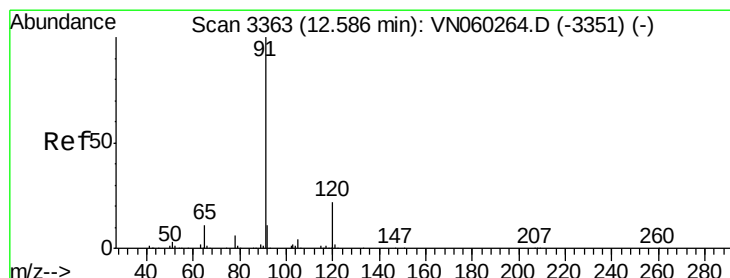
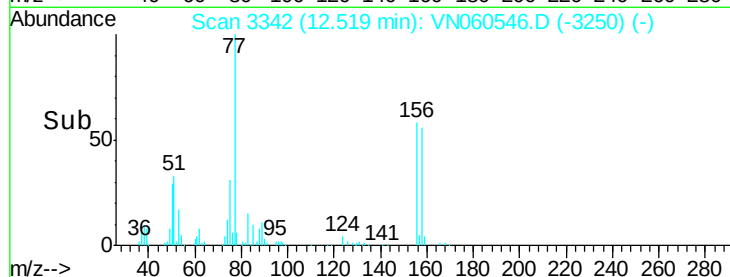
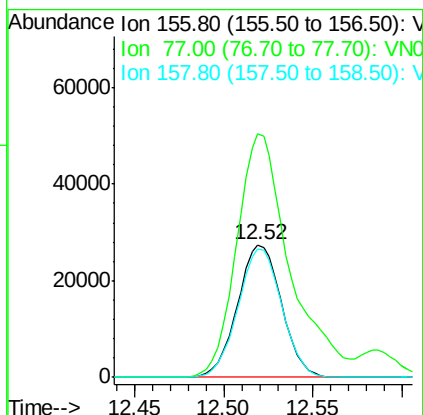
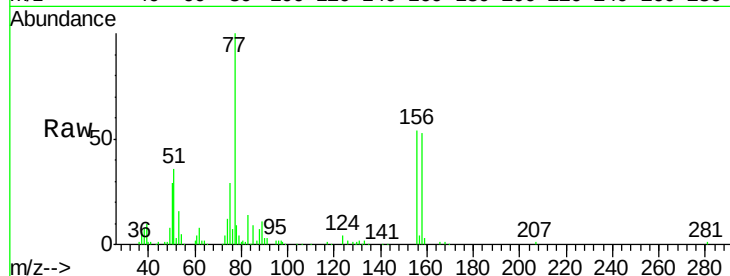
ClientSampleId :

VN0317WBS01

Tot Ion:	156	Resp:	47216
Ion	Ratio	Lower	Upper
156	100		
77	221.5	106.1	318.3
158	96.8	48.3	144.8

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#78

n-propylbenzene

Concen: 18.450 ug/l

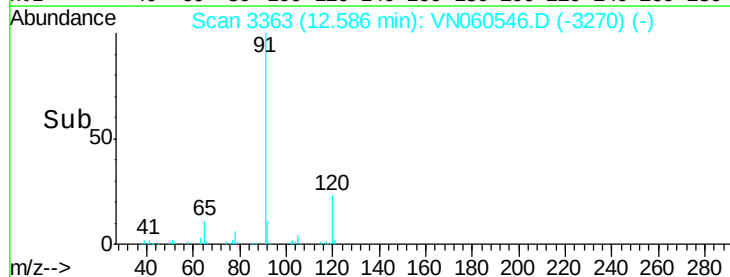
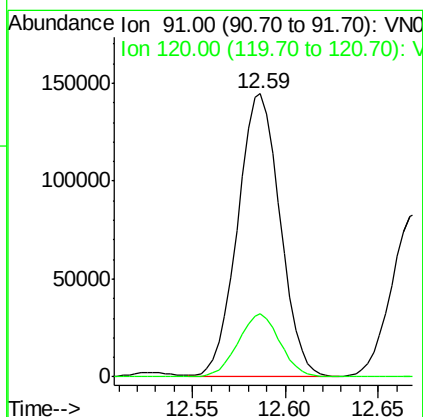
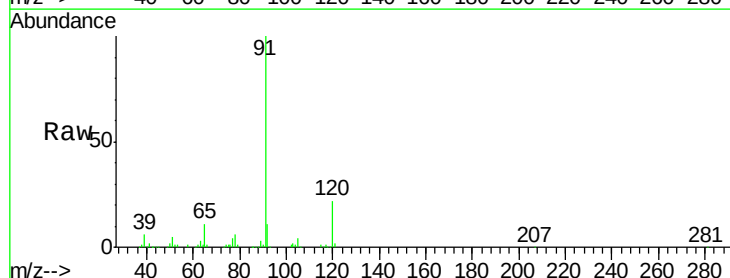
RT: 12.59 min Scan# 3363

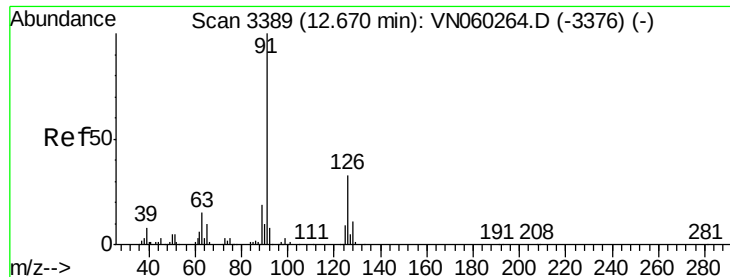
Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion:	91	Resp:	229456
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.9





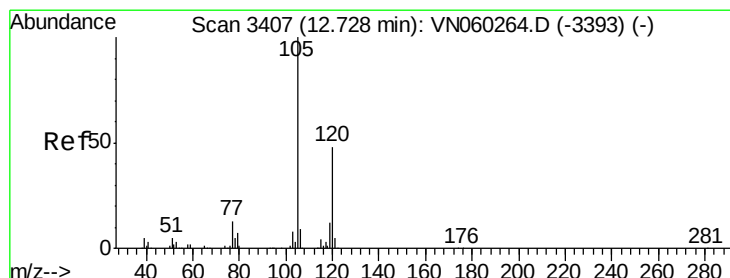
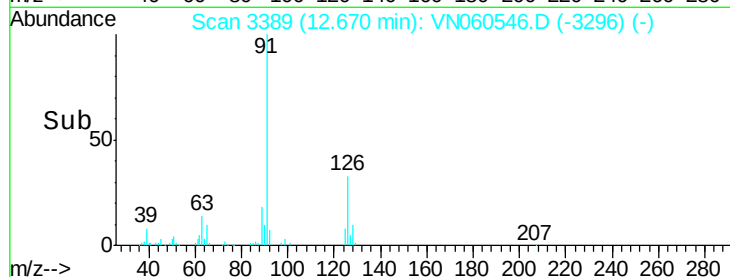
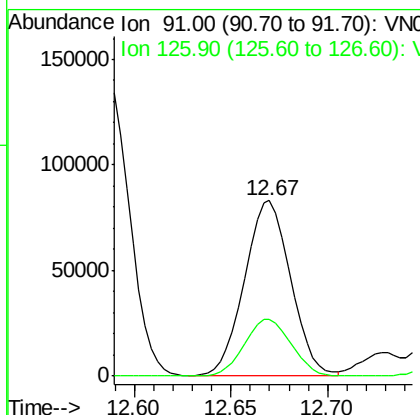
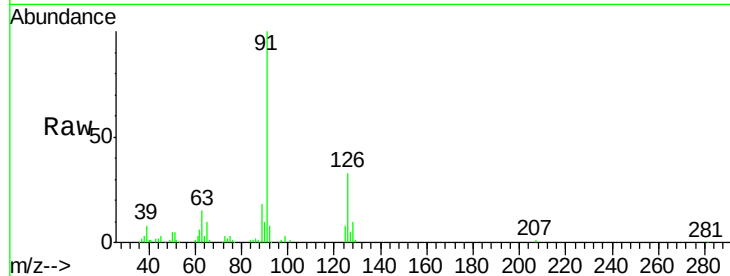
#79
 2-Chlorotoluene
 Concen: 18.858 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0317WBS01

Tot Ion	91	Resp	137857
Ion Ratio	100	Lower	Upper
126	32.9	16.6	49.8

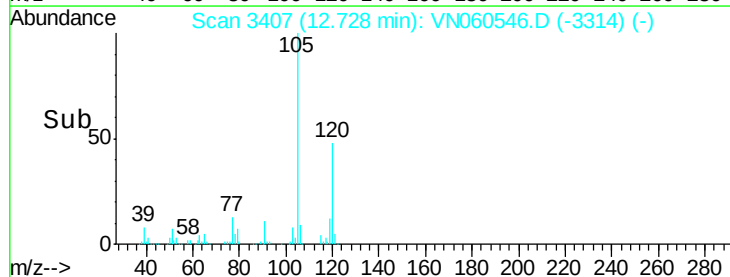
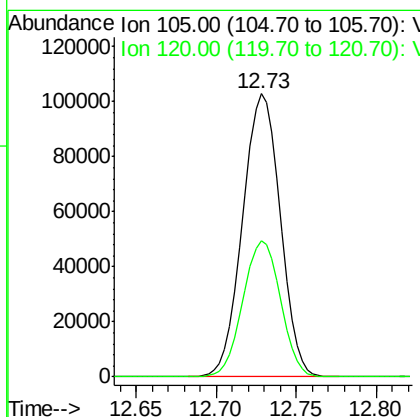
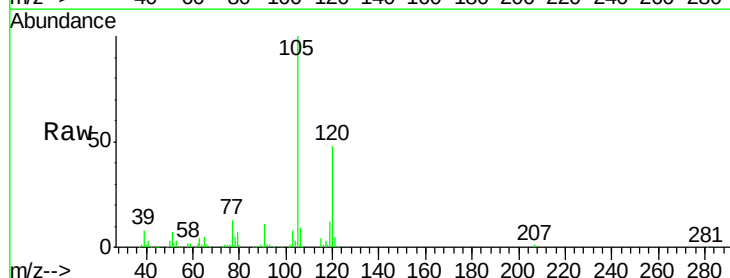
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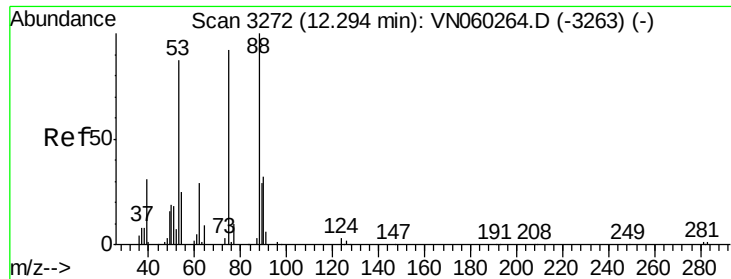
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.484 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion	105	Resp	165117
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
120	48.0	24.1	72.4





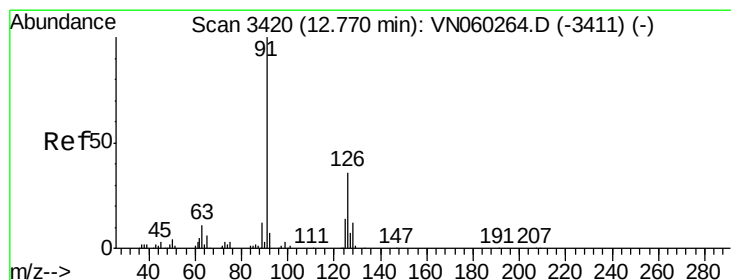
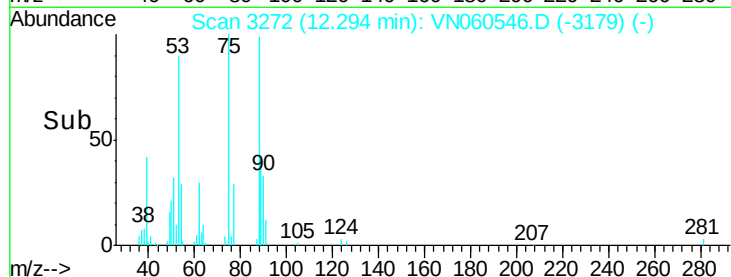
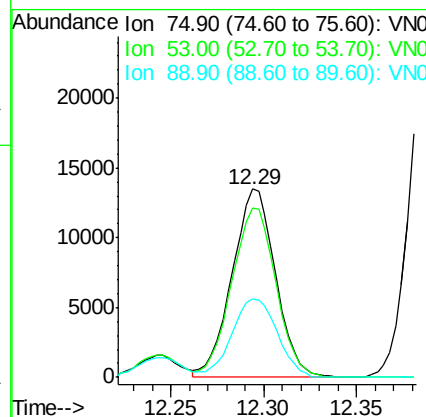
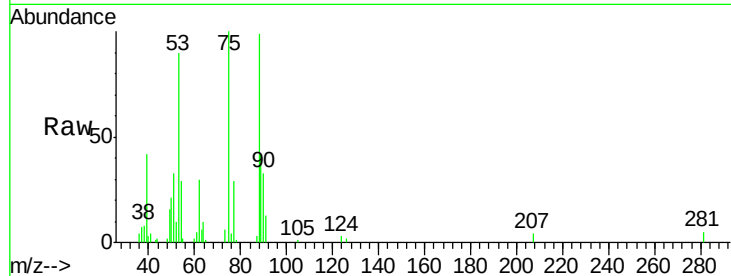
#81
trans-1,4-Dichloro-2-butene
Concen: 19.248 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	73.8	110.6
89	43.5	57.1	85.7#

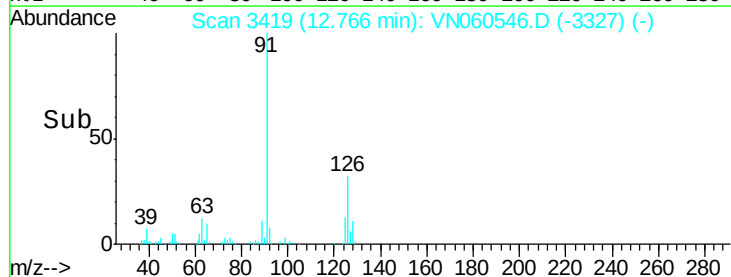
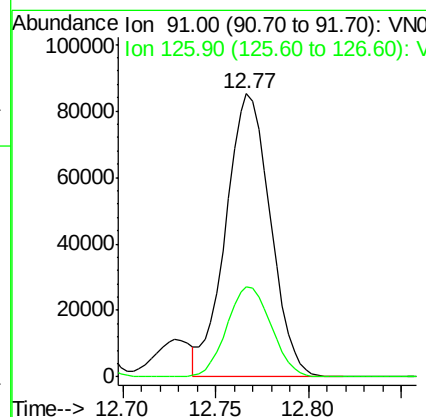
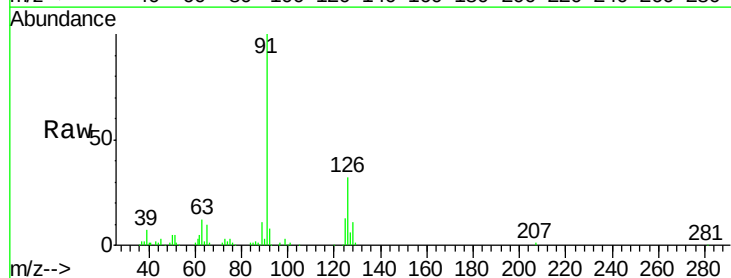
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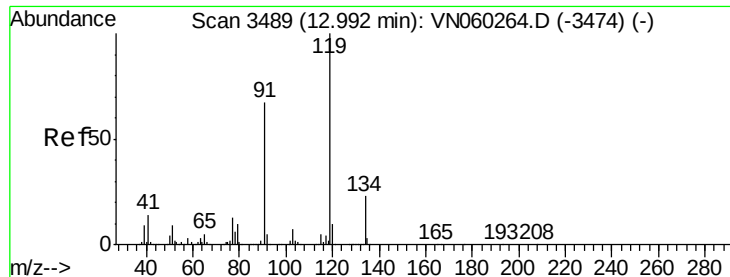
MMDadoda
3/18/2020 5:34:54 PM



#82
4-Chlorotoluene
Concen: 18.485 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.7	50.1





#83

tert-Butylbenzene

Concen: 18.253 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

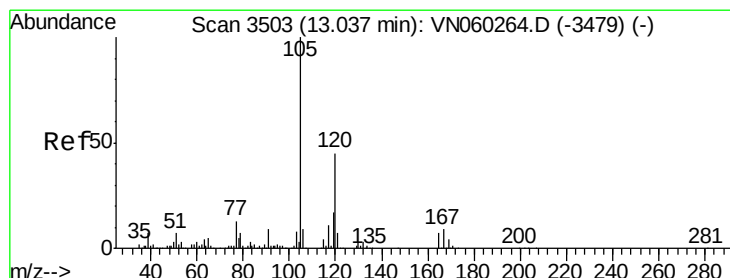
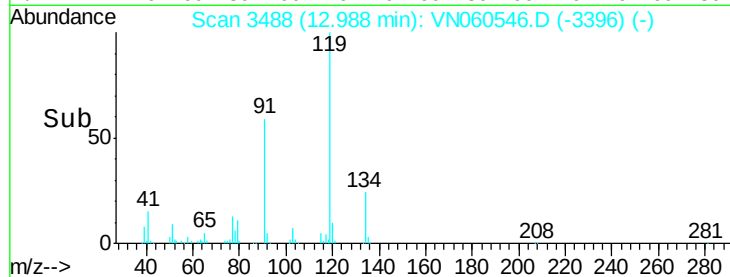
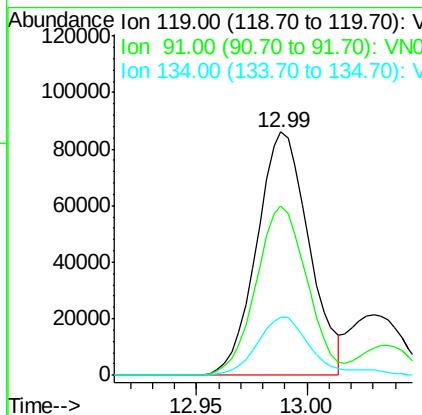
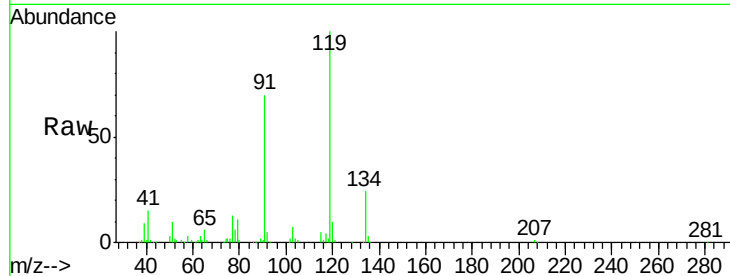
ClientSampleId :

VN0317WBS01

Tot Ion:	119	Resp:	141168
Ion Ratio	Lower	Upper	
119	100		
91	68.2	33.1	99.2
134	25.3	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.390 ug/l

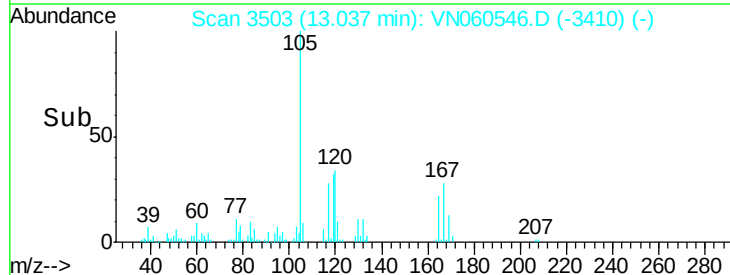
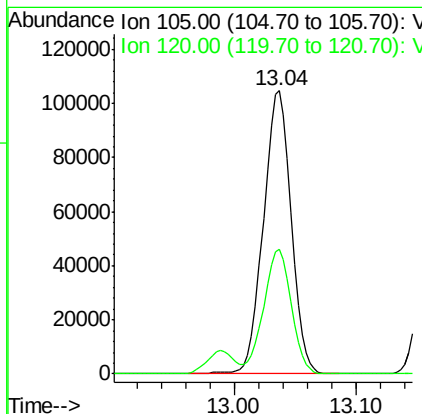
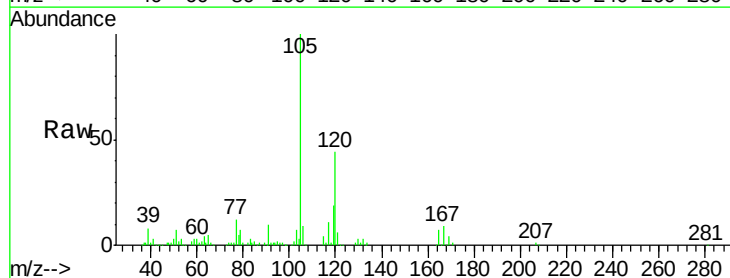
RT: 13.04 min Scan# 3503

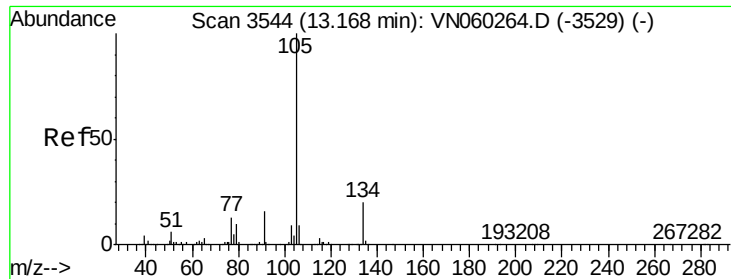
Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion:	105	Resp:	165813
Ion Ratio	Lower	Upper	
105	100		
120	43.8	22.3	66.9





#85

sec-Butylbenzene

Concen: 18.290 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Instrument :

MSVOA_N

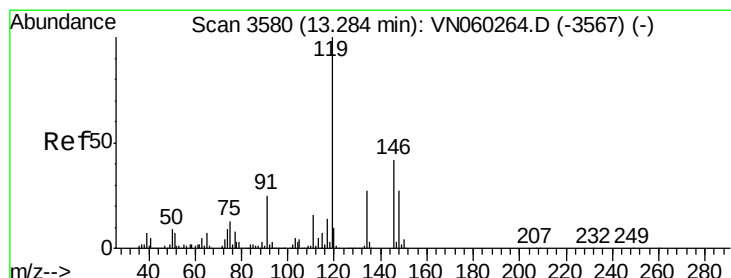
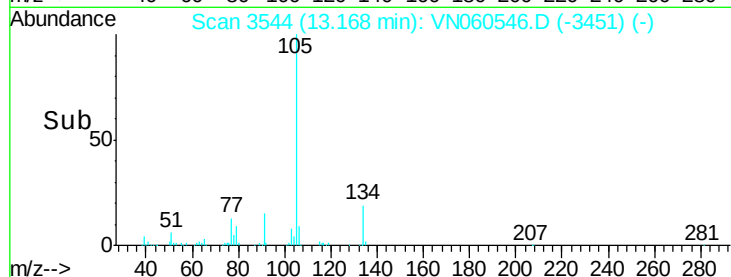
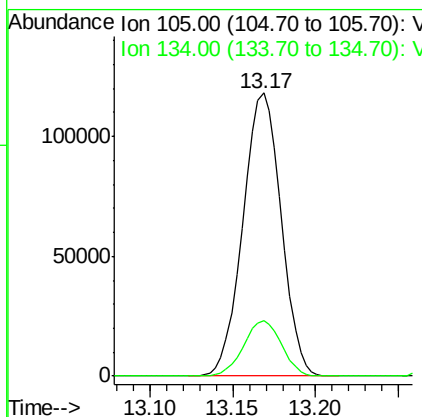
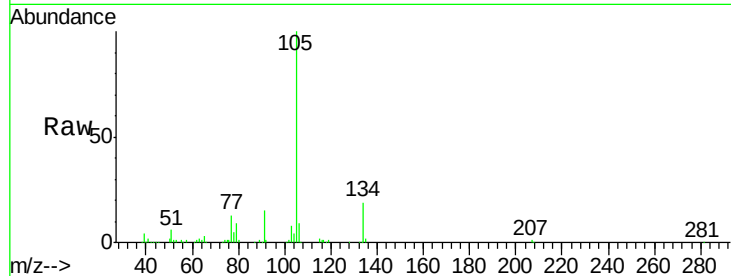
ClientSampleId :

VN0317WBS01

Tot Ion:	105	Resp:	189425
Ion Ratio		Lower	Upper
105	100		
134	19.4	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 17.434 ug/l

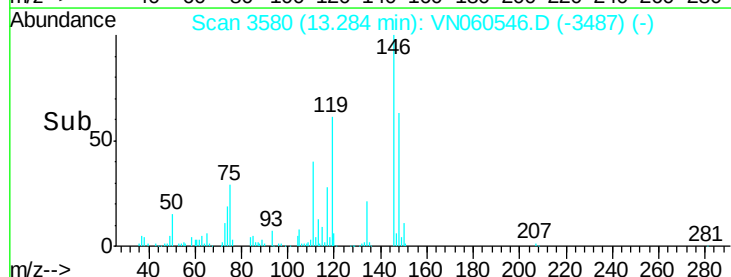
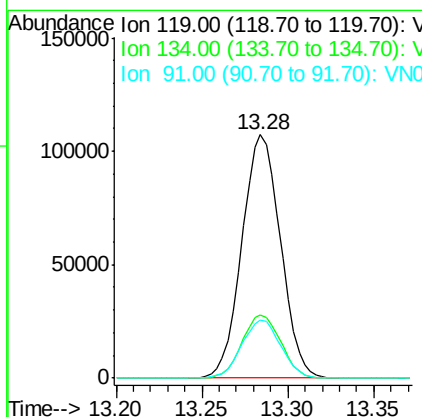
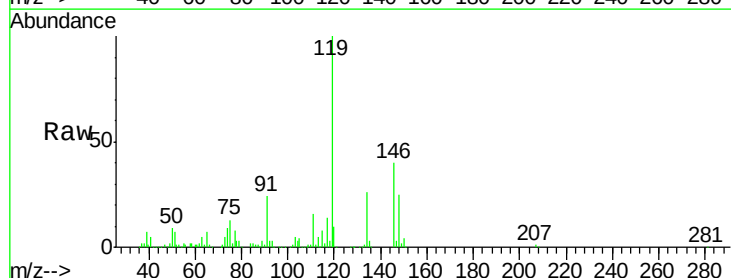
RT: 13.28 min Scan# 3580

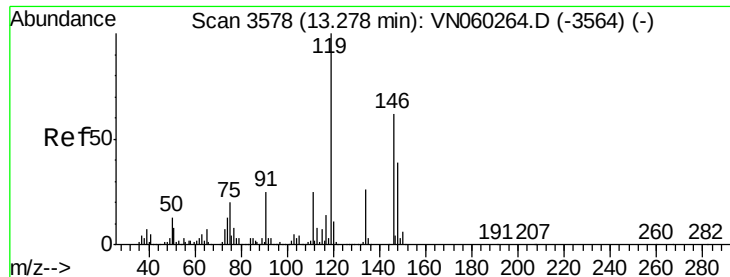
Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion:	119	Resp:	167123
Ion Ratio		Lower	Upper
119	100		
134	26.1	13.2	39.6
91	24.3	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 18.601 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060546.D

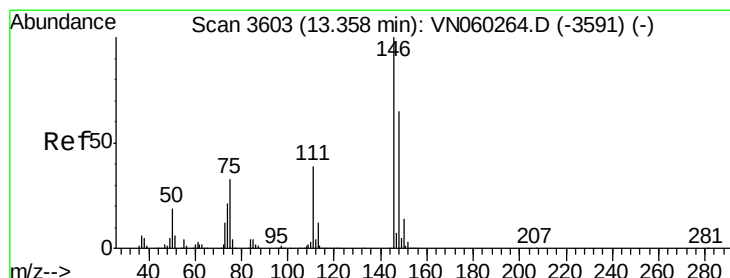
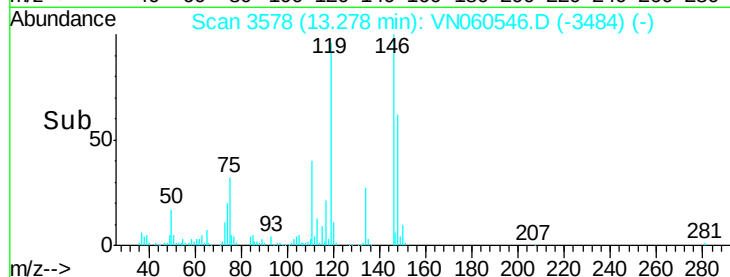
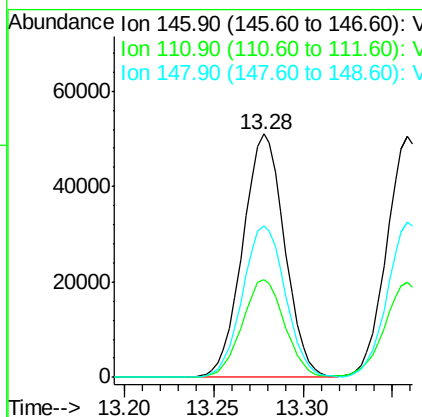
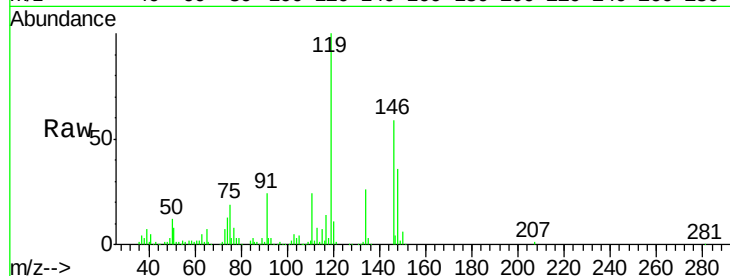
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.5	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.494 ug/l

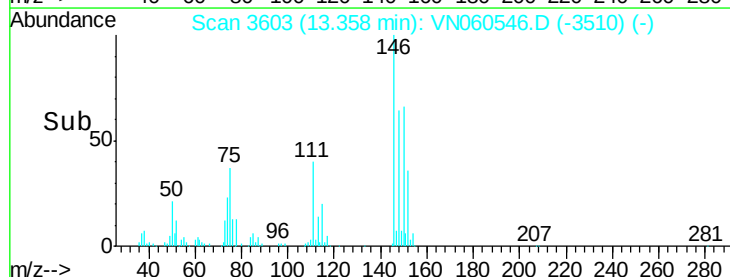
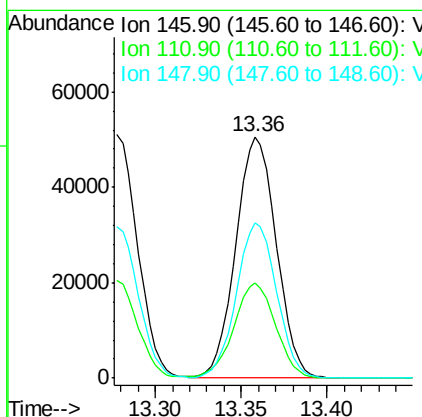
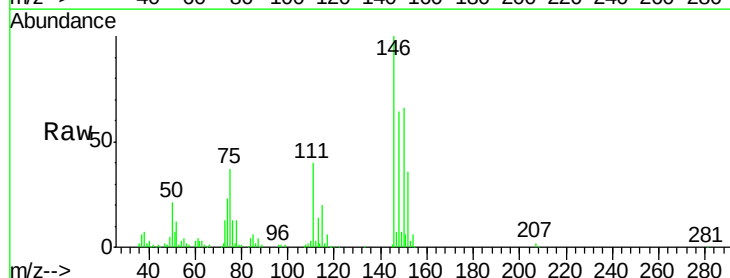
RT: 13.36 min Scan# 3603

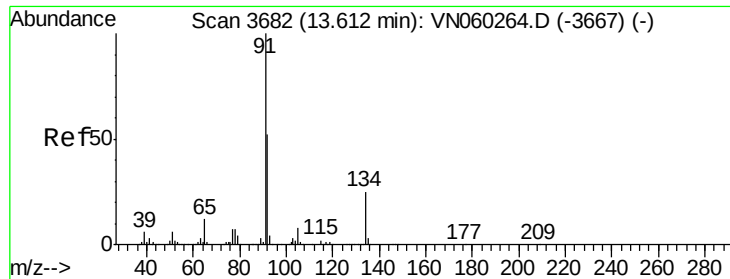
Delta R.T. 0.00 min

Lab File: VN060546.D

Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.4
148	63.9	32.3	96.9





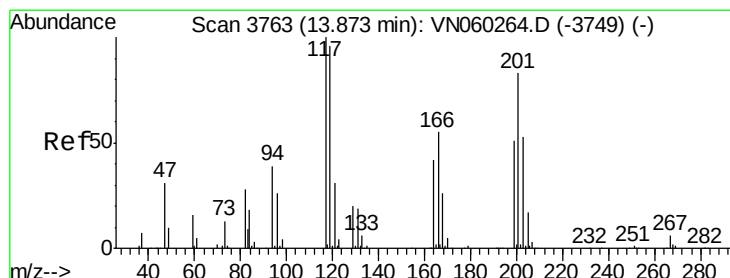
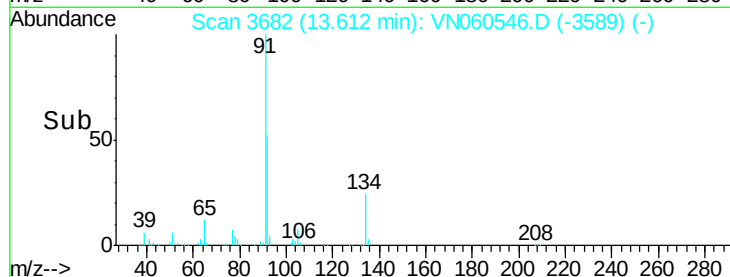
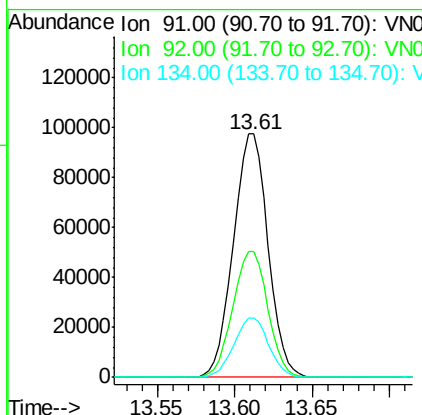
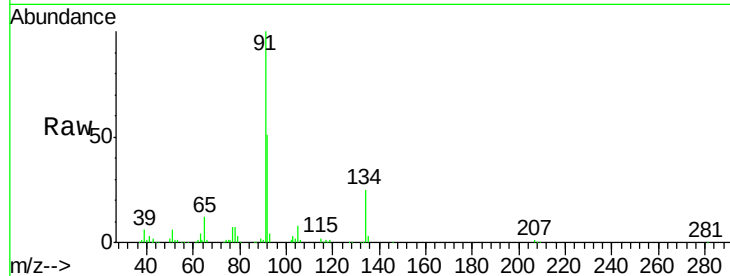
#89
n-Butylbenzene
Concen: 17.201 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	24.6	12.7	38.1

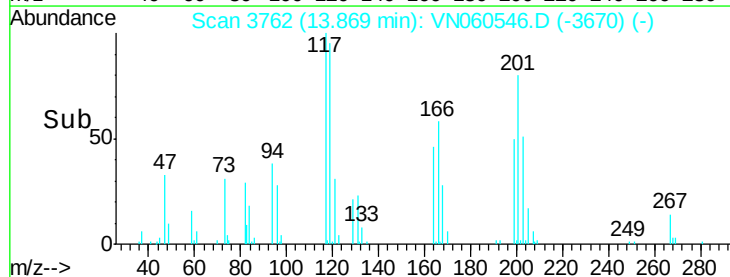
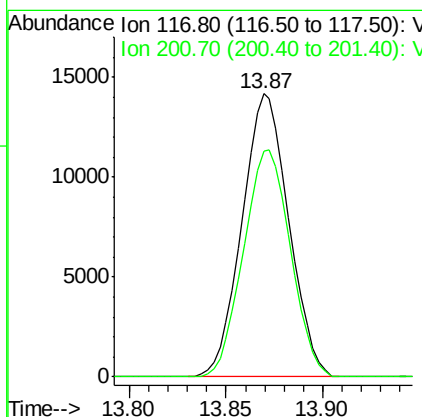
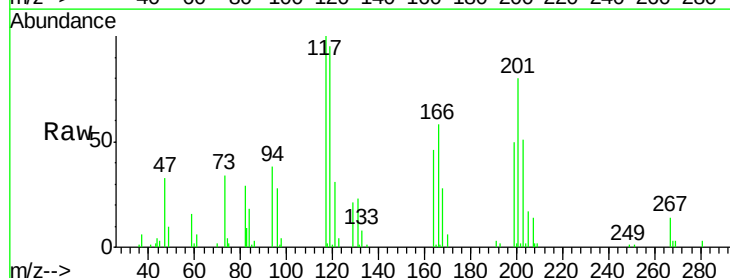
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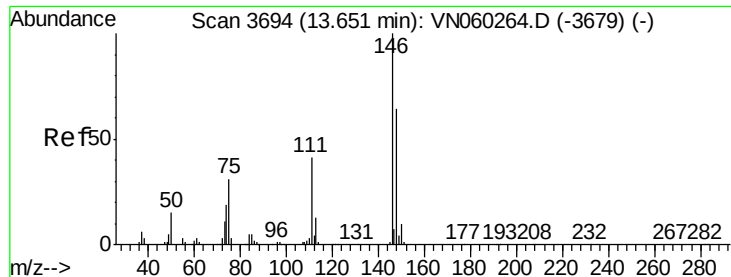
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#90
Hexachloroethane
Concen: 17.142 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	41.0	123.0





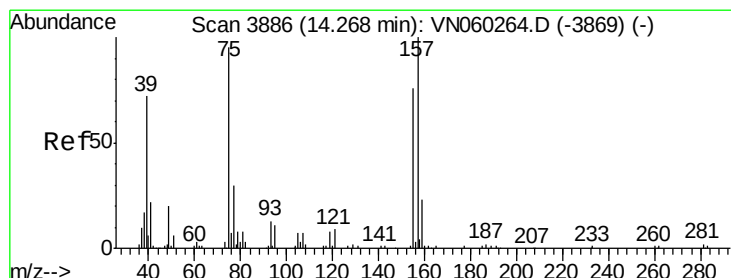
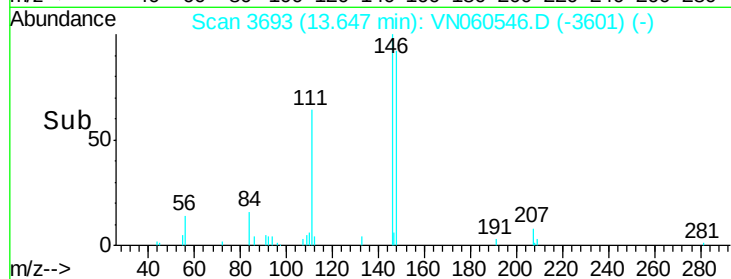
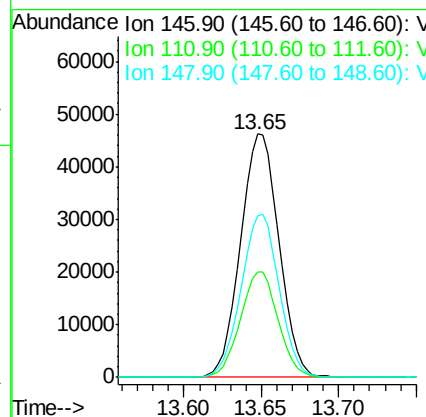
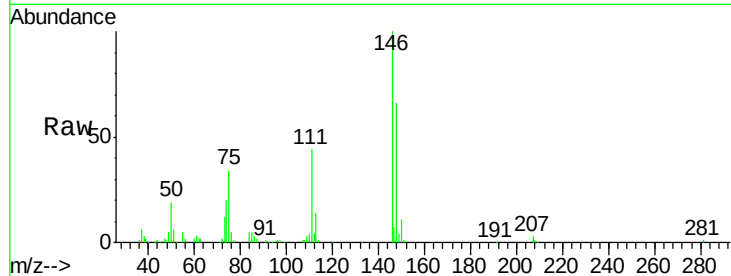
#91
 1,2-Dichlorobenzene
 Concen: 17.505 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.3	61.0
148	66.0	31.8	95.3

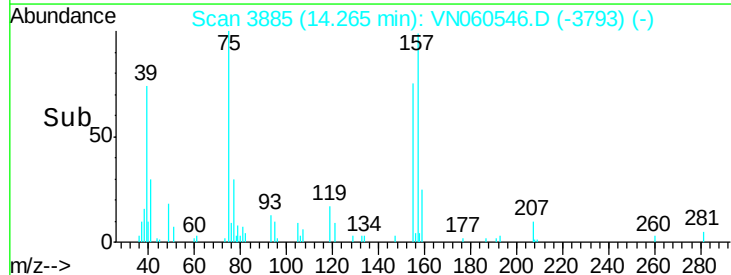
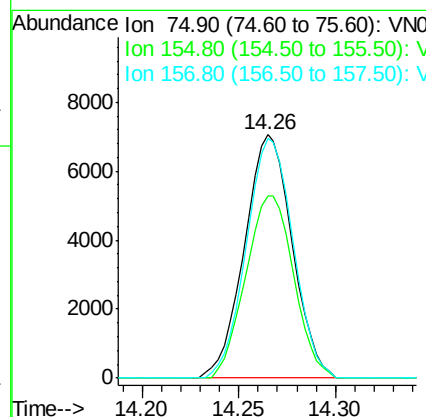
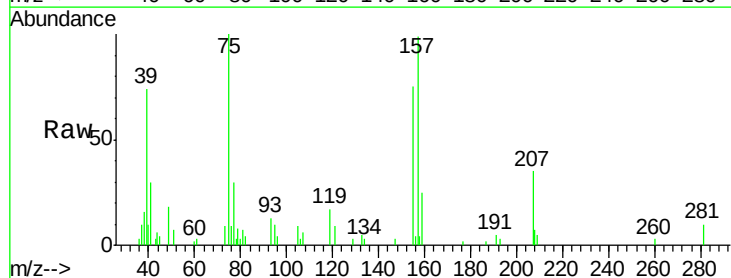
Manual Integrations
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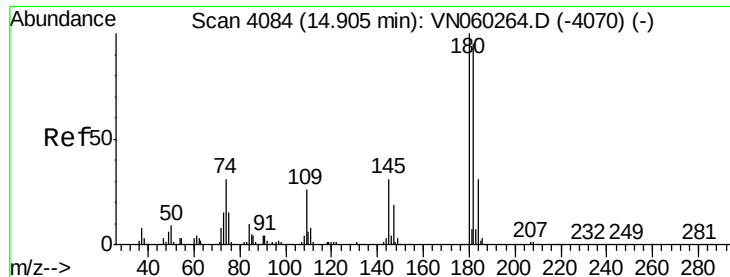
MMDadoda
 3/18/2020 5:34:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.535 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.3	40.4	121.2
157	96.6	52.5	157.5





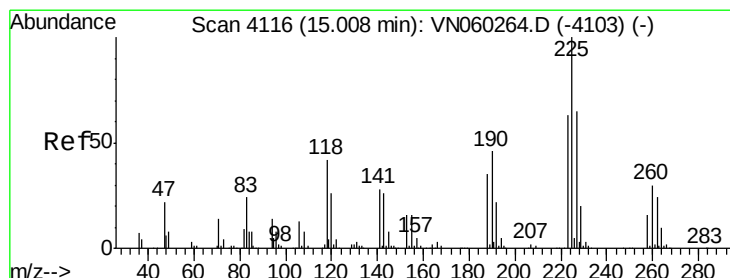
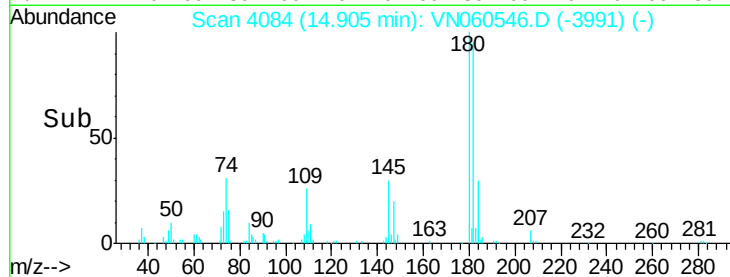
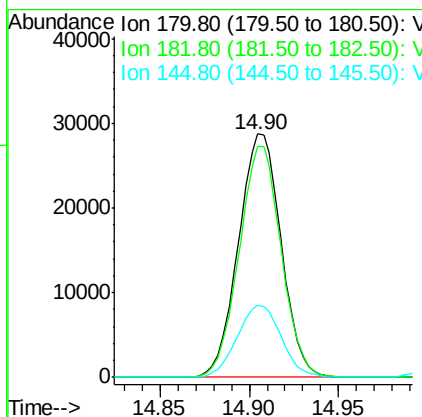
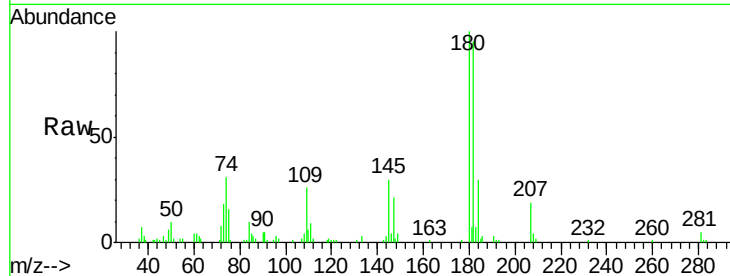
#93
 1,2,4-Trichlorobenzene
 Concen: 16.654 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0317WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.8	143.3
145	30.6	15.4	46.1

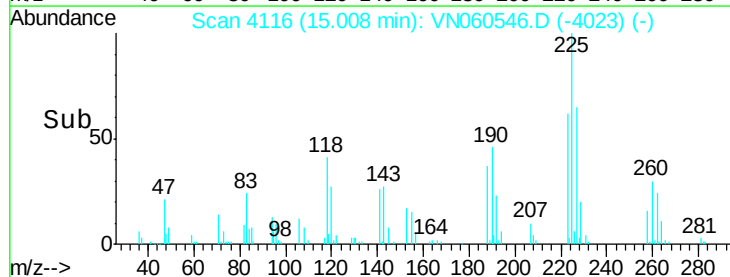
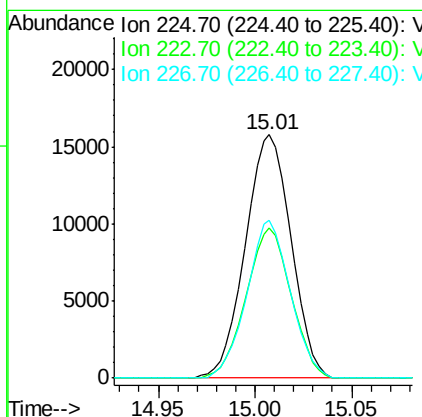
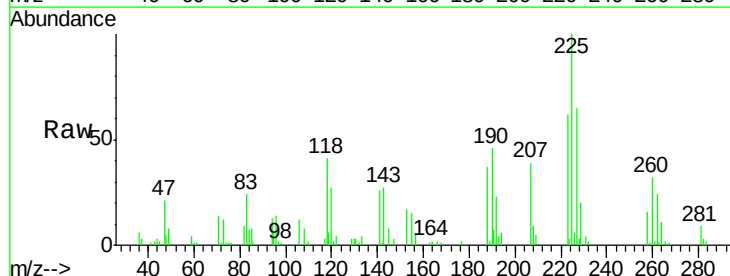
Manual Integrations
 APPROVED

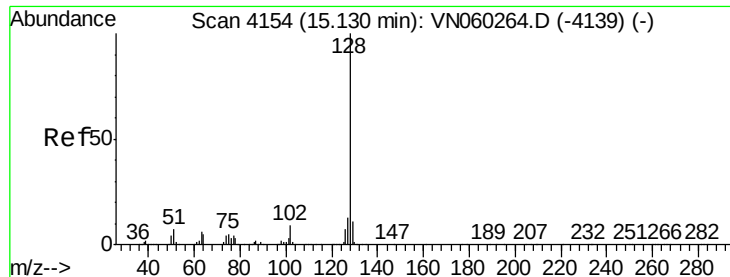
MMDadoda
 3/18/2020 5:34:54 PM



#94
 Hexachlorobutadiene
 Concen: 19.111 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060546.D
 Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.3	93.9
227	61.6	32.3	96.9





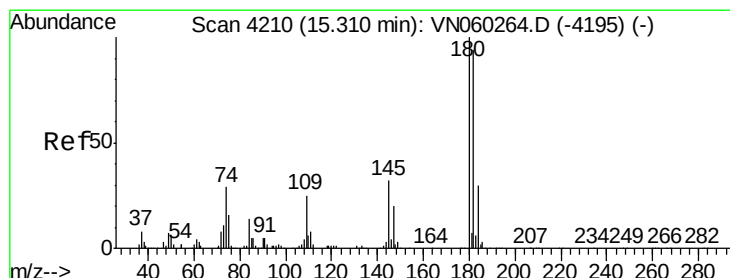
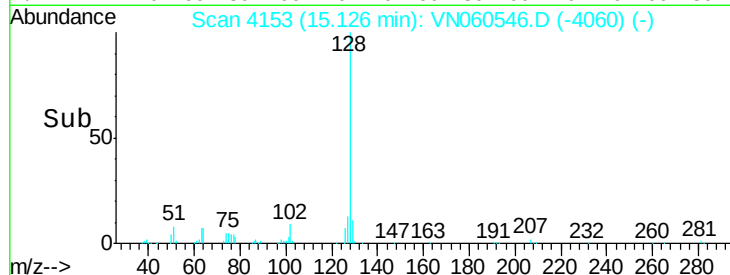
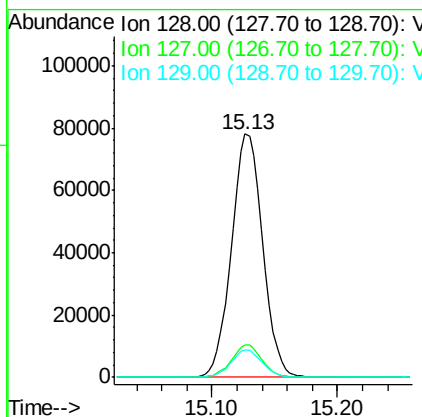
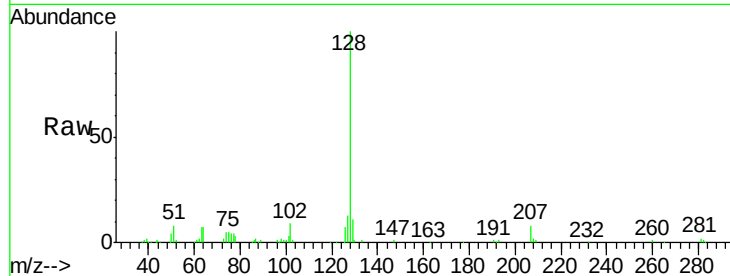
#95
Naphthalene
Concen: 15.618 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Instrument :
MSVOA_N
ClientSampleId :
VN0317WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	134796		
127	13.0		10.4	15.6
129	11.2		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/18/2020 5:34:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.189 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060546.D
Acq: 17 Mar 2020 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47200		
182	93.0		47.3	142.0
145	33.0		16.2	48.5

