

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\
 Data File : VN060248.D
 Acq On : 26 Feb 2020 14:02
 Operator : JC/MD
 Sample : VN0226WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 9:40:56 AM

Quant Time: Feb 27 05:17:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	202141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135686	55.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.32%	
35) Dibromofluoromethane	7.57	113	96925	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.08	98	392509	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.40	95	148000	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38387	18.999	ug/l	99
3) Chloromethane	2.04	50	63808	26.537	ug/l	99
4) Vinyl Chloride	2.16	62	53969	19.691	ug/l	100
5) Bromomethane	2.55	94	20849	12.406	ug/l	99
6) Chloroethane	2.68	64	29146	21.025	ug/l	93
7) Trichlorofluoromethane	3.00	101	68765	19.460	ug/l	98
8) Diethyl Ether	3.38	74	26965	22.924	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39307	20.036	ug/l	98
10) Methyl Iodide	3.93	142	37315	15.938	ug/l	99
11) Tert butyl alcohol	4.72	59	39702	107.861	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	38460	20.124	ug/l	93
13) Acrolein	3.58	56	33866	93.082	ug/l	96
14) Allyl chloride	4.29	41	66093	23.496	ug/l	93
15) Acrylonitrile	4.94	53	106954	118.982	ug/l	99
16) Acetone	3.78	43	84275	78.548	ug/l	99
17) Carbon Disulfide	4.03	76	106455	18.480	ug/l	99
18) Methyl Acetate	4.29	43	57311	28.436	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	143369	22.307	ug/l	99
20) Methylene Chloride	4.52	84	45557	21.283	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	41792	20.060	ug/l	95
22) Diisopropyl ether	5.91	45	145977	23.679	ug/l	94
23) Vinyl Acetate	5.86	43	601290	116.146	ug/l	97
24) 1,1-Dichloroethane	5.81	63	82236	22.020	ug/l	100
25) 2-Butanone	6.80	43	139526	103.400	ug/l	94
26) 2,2-Dichloropropane	6.80	77	72397	20.410	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	49200	20.179	ug/l	96
28) Bromochloromethane	7.17	49	36371	24.772	ug/l	88
29) Tetrahydrofuran	7.18	42	96298	116.328	ug/l	94
30) Chloroform	7.35	83	82287	21.034	ug/l	99
31) Cyclohexane	7.63	56	72646	20.882	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	72062	20.157	ug/l	99
36) 1,1-Dichloropropene	7.77	75	60582	20.053	ug/l	98
37) Ethyl Acetate	6.89	43	61611	22.565	ug/l	99
38) Carbon Tetrachloride	7.75	117	59444	18.117	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	71698	19.118	ug/l	97
40) Benzene	8.02	78	179832	20.067	ug/l	98
41) Methacrylonitrile	7.15	41	26224m	22.902	ug/l	
42) 1,2-Dichloroethane	8.10	62	67585	21.517	ug/l	99
43) Isopropyl Acetate	8.14	43	105871	22.683	ug/l	97
44) Trichloroethene	8.82	130	50556	20.374	ug/l	97
45) 1,2-Dichloropropane	9.10	63	48615	21.911	ug/l	99
46) Dibromomethane	9.19	93	30875	19.692	ug/l	99
47) Bromodichloromethane	9.39	83	62388	19.572	ug/l	99
48) Methyl methacrylate	9.18	41	46910	22.401	ug/l	94
49) 1,4-Dioxane	9.18	88	14339	400.759	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	304191	112.598	ug/l	98
52) Toluene	10.14	92	114066	19.848	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	75109	20.875	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	79242	20.915	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	46884	20.912	ug/l	97
56) Ethyl methacrylate	10.42	69	67246	21.203	ug/l	96
57) 1,3-Dichloropropane	10.70	76	76178	20.592	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	167513	113.373	ug/l	97
59) 2-Hexanone	10.74	43	219981	105.411	ug/l	99
60) Dibromochloromethane	10.89	129	46601	18.113	ug/l	99
61) 1,2-Dibromoethane	11.00	107	46497	19.784	ug/l	99
64) Tetrachloroethene	10.62	164	54203	23.358	ug/l	99
65) Chlorobenzene	11.43	112	119986	19.293	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	44947	19.105	ug/l	98
67) Ethyl Benzene	11.51	91	221134	19.715	ug/l	99
68) m/p-Xylenes	11.62	106	166071	39.449	ug/l	99
69) o-Xylene	11.94	106	79710	19.665	ug/l	97
70) Styrene	11.96	104	129852	19.866	ug/l	99
71) Bromoform	12.12	173	32173	17.002	ug/l #	100
73) Isopropylbenzene	12.25	105	214765	19.011	ug/l	99
74) N-amyl acetate	12.07	43	94530	23.205	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	59844	18.404	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	61172m	21.135	ug/l	
77) Bromobenzene	12.52	156	51787	18.472	ug/l	89
78) n-propylbenzene	12.59	91	252378	19.608	ug/l	99
79) 2-Chlorotoluene	12.67	91	146306	19.339	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	183846	19.573	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23702	20.051	ug/l	97
82) 4-Chlorotoluene	12.77	91	154667	19.927	ug/l	98
83) tert-Butylbenzene	12.99	119	154961	18.649	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	182765	19.711	ug/l	99
85) sec-Butylbenzene	13.17	105	210248	19.106	ug/l	100
86) p-Isopropyltoluene	13.29	119	192960	19.354	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	96614	19.468	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	96533	19.456	ug/l	98
89) n-Butylbenzene	13.61	91	176851	20.167	ug/l	99
90) Hexachloroethane	13.87	117	26215	14.074	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	92466	19.039	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13734	19.392	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63606	22.289	ug/l	99
94) Hexachlorobutadiene	15.01	225	29261	17.515	ug/l	98
95) Naphthalene	15.13	128	189365	24.566	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	60224	21.192	ug/l	99

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

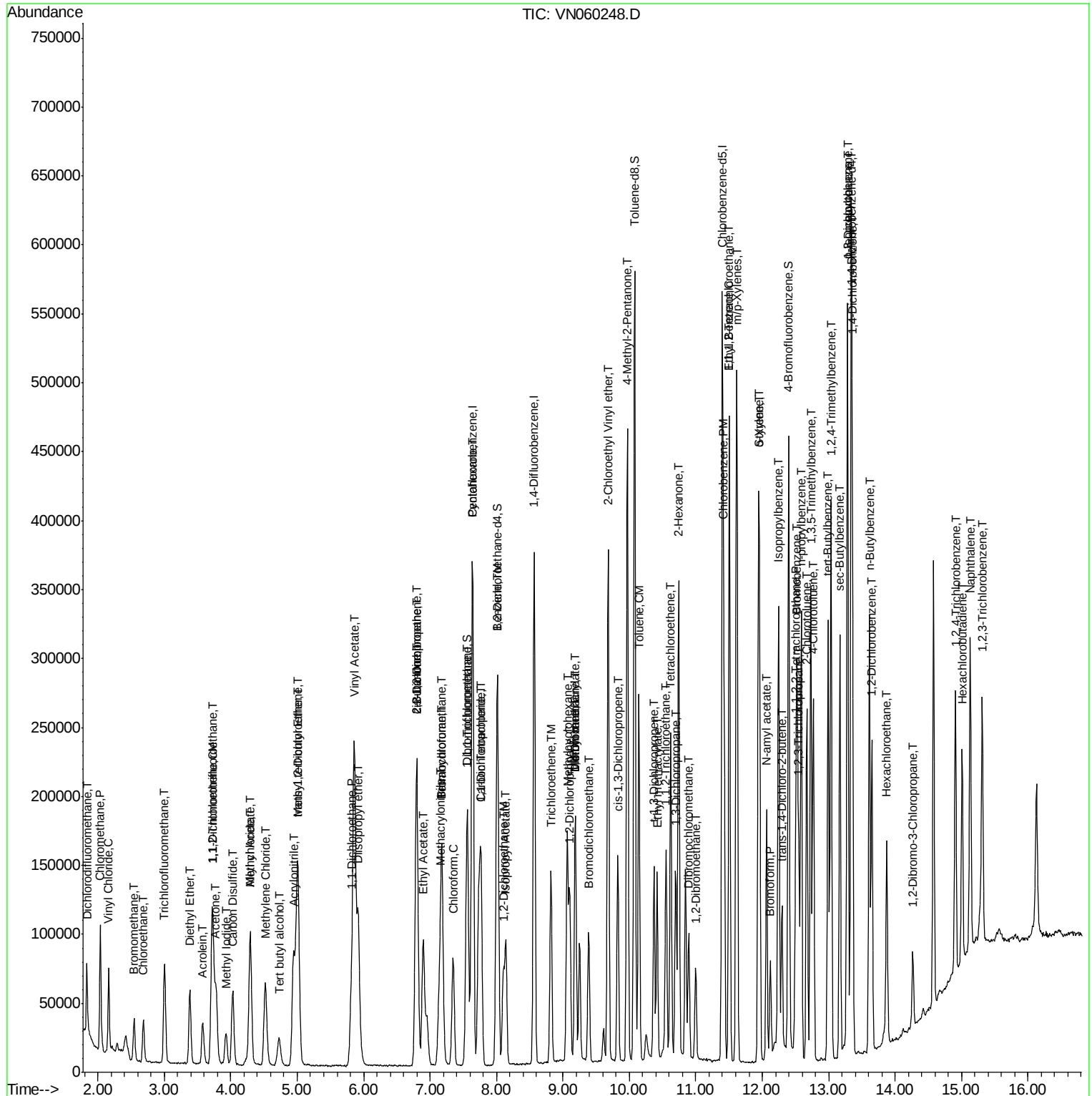
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Data File : VN060248.D
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Sample : VN0226WBSD01
Misc : 5.00mL/MSVOA N/WATER
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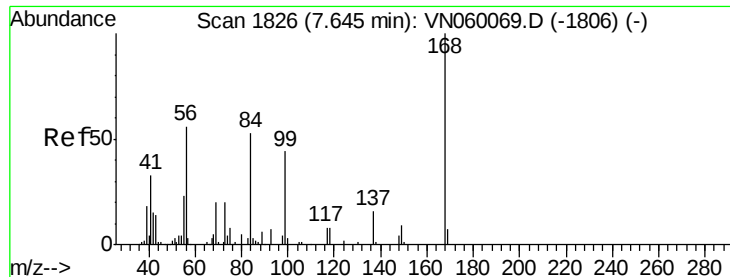
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion:168 Resp: 202141

Ion Ratio Lower Upper

168 100

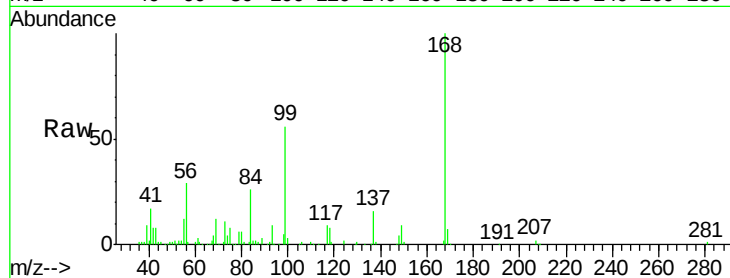
99 56.3 42.7 64.1

Manual Integrations

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2/27/2020 9:40:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

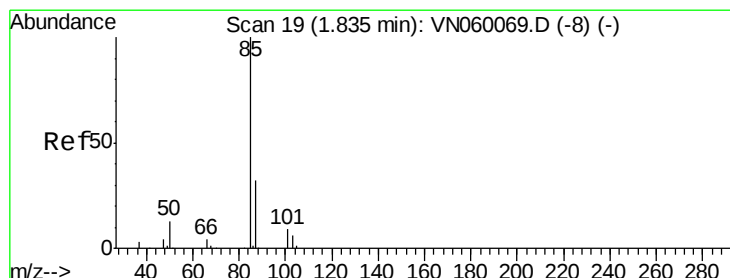
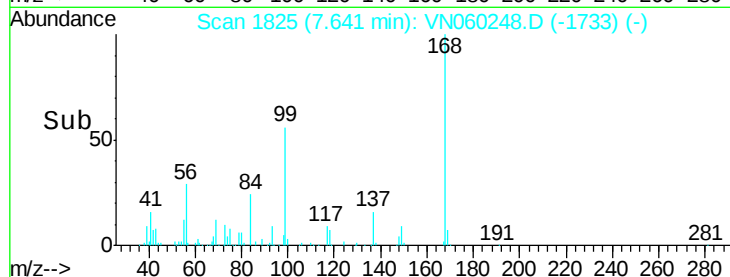
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.999 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060248.D

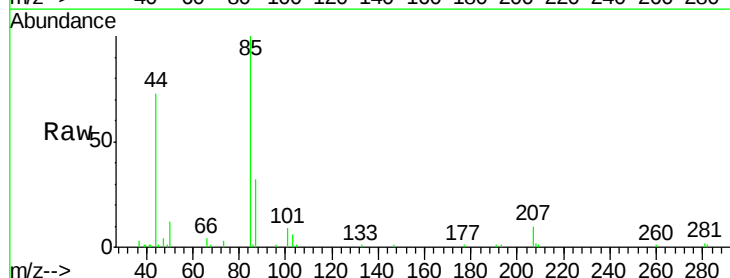
Acq: 26 Feb 2020 14:02

Tgt Ion: 85 Resp: 38387

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

25000

20000

15000

10000

5000

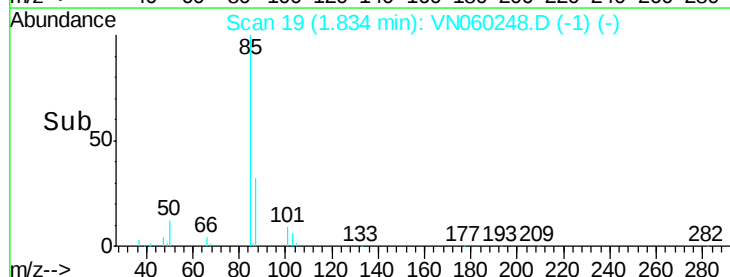
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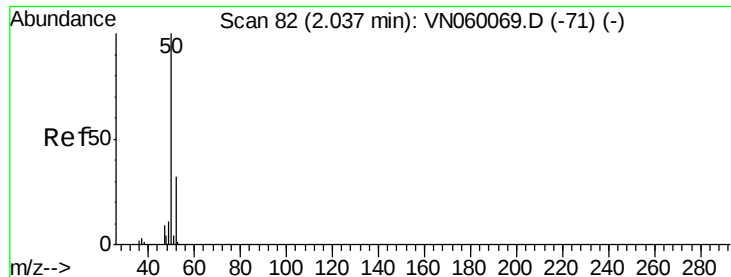
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 26.537 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 50 Resp: 63808

Ion Ratio Lower Upper

50 100

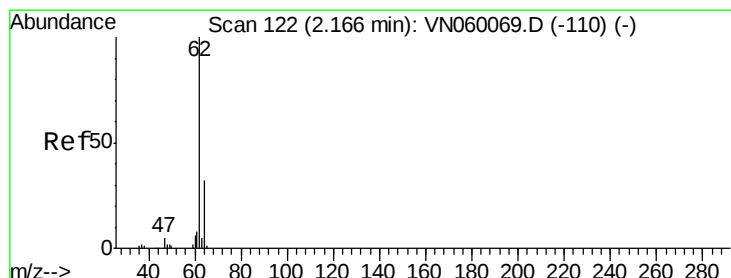
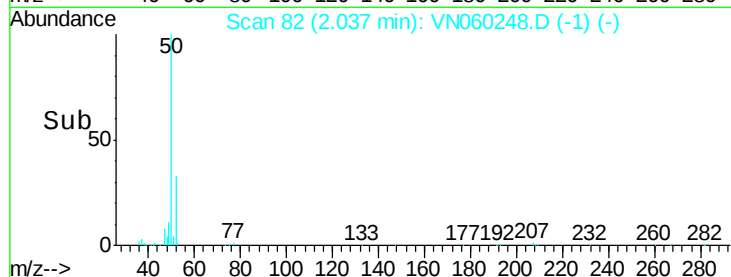
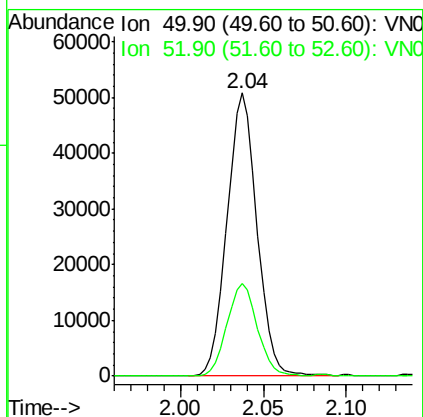
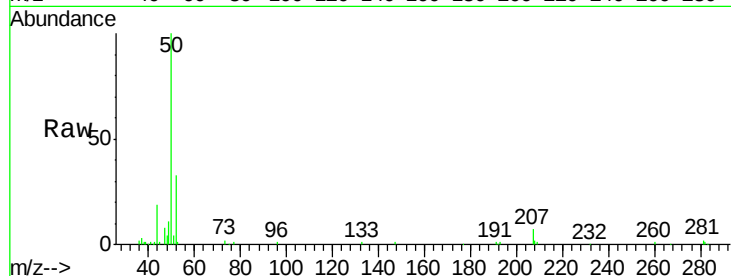
52 32.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.691 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060248.D

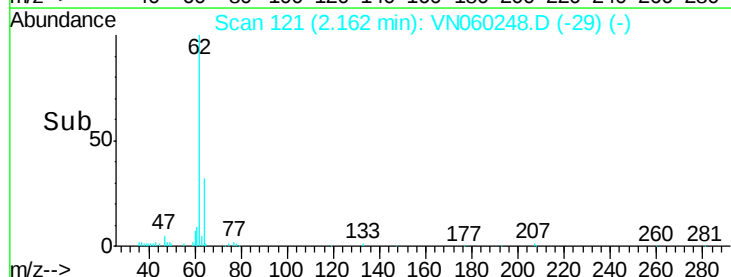
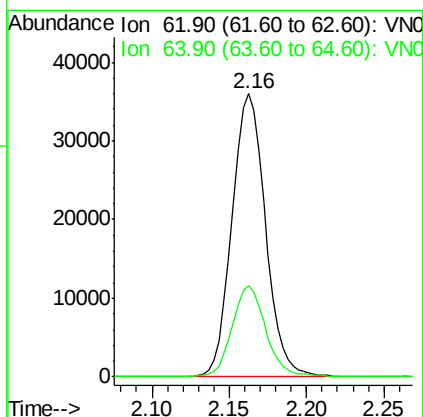
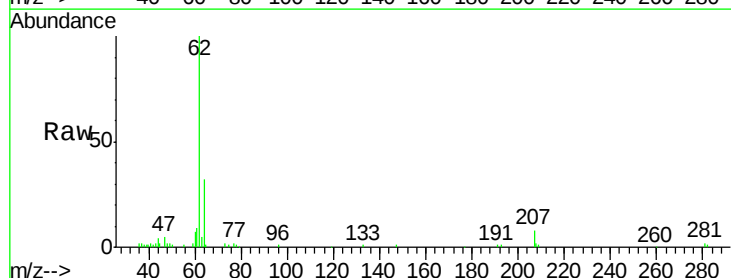
Acq: 26 Feb 2020 14:02

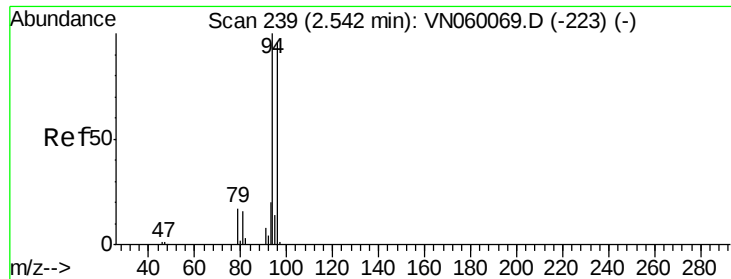
Tgt Ion: 62 Resp: 53969

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9





#5

Bromomethane

Concen: 12.406 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 94 Resp: 20849

Ion Ratio Lower Upper

94 100

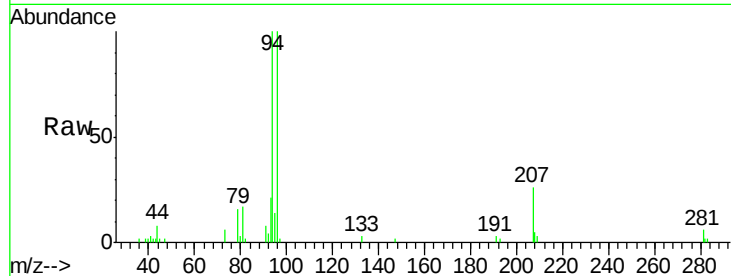
96 96.9 76.7 115.1

Manual Integrations

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2/27/2020 9:40:56 AM



Abundance Ion 93.90 (93.60 to 94.60): VN060069.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060069.D (-223) (-)

2.55

12000

10000

8000

6000

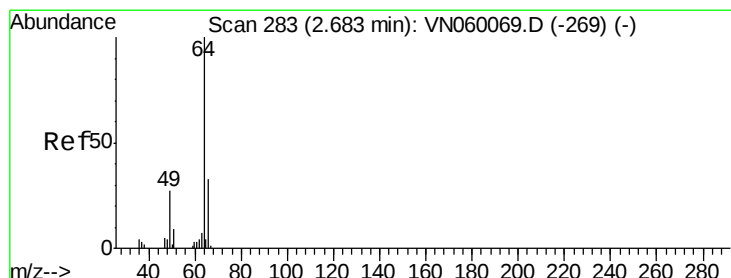
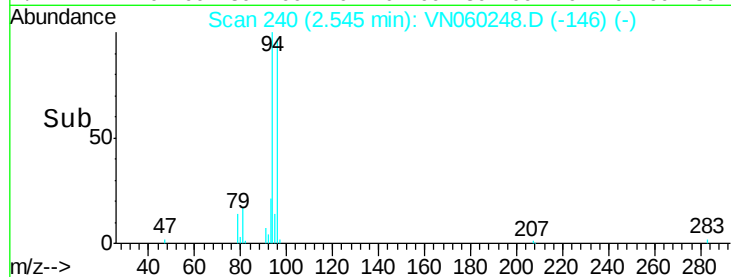
4000

2000

0

Time-->

2.50 2.55 2.60



#6

Chloroethane

Concen: 21.025 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060248.D

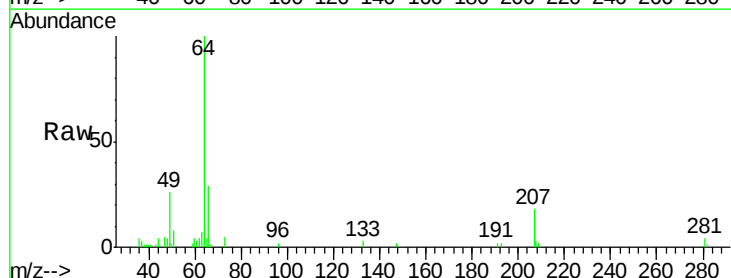
Acq: 26 Feb 2020 14:02

Tgt Ion: 64 Resp: 29146

Ion Ratio Lower Upper

64 100

66 29.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN060069.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN060069.D (-269) (-)

2.68

15000

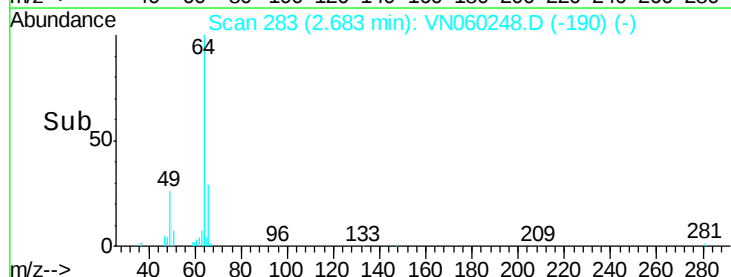
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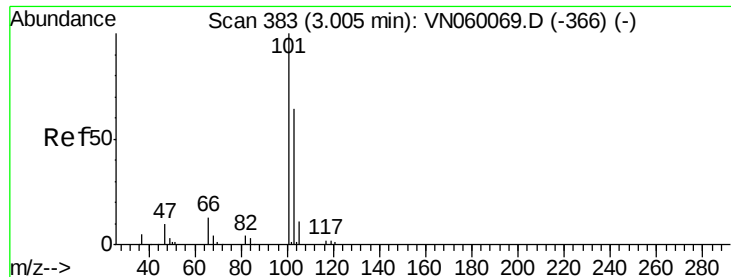
5000

0

Time-->

2.60 2.65 2.70 2.75





#7

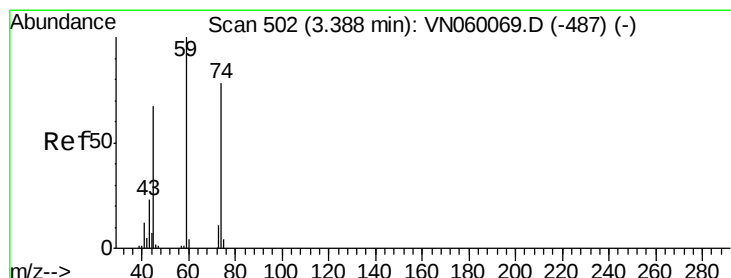
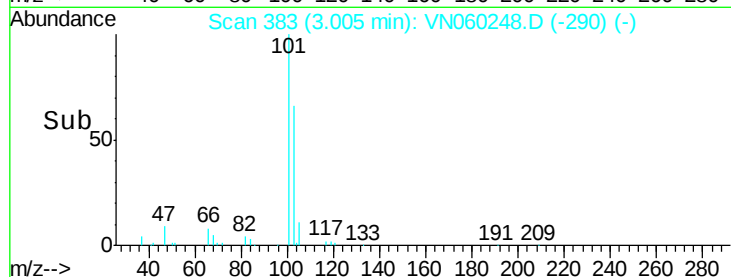
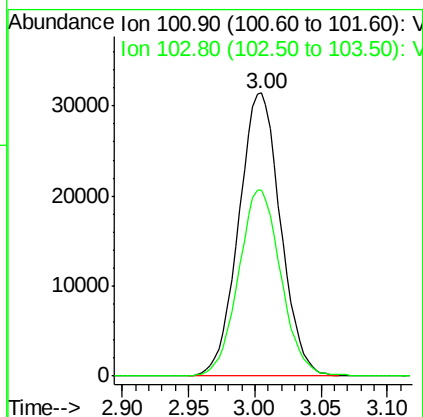
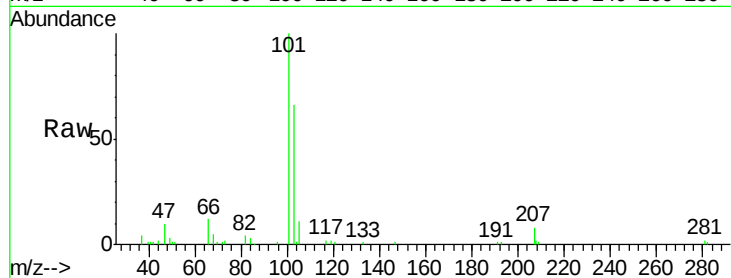
Trichlorofluoromethane
Concen: 19.460 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

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Tot Ion	101	Resp	68765
Ion Ratio	100	Lower	Upper
101	100		
103	65.7	51.0	76.6

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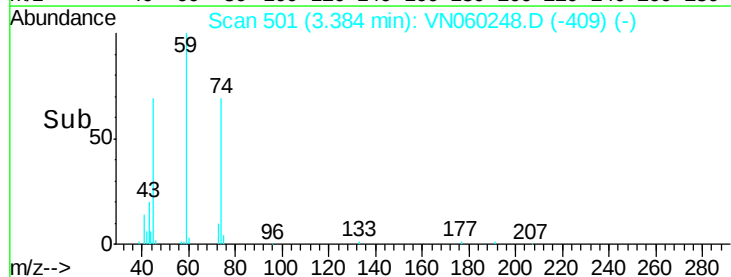
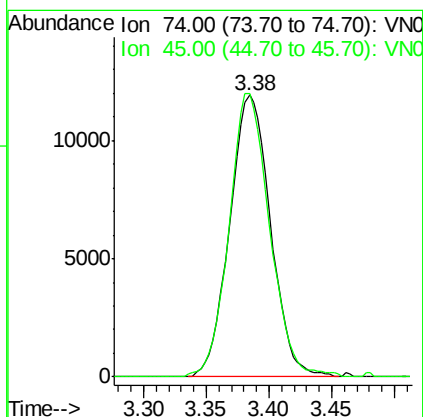
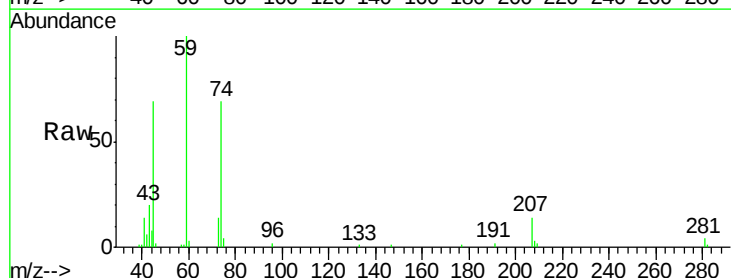
MMDadoda
2/27/2020 9:40:56 AM

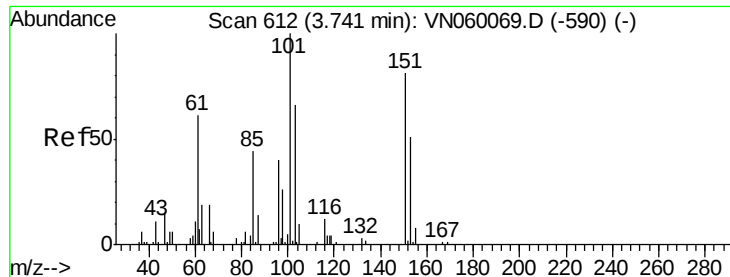


#8

Diethyl Ether
Concen: 22.924 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060248.D
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Tgt Ion	74	Resp	26965
Ion Ratio	100	Lower	Upper
74	100		
45	99.9	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.036 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

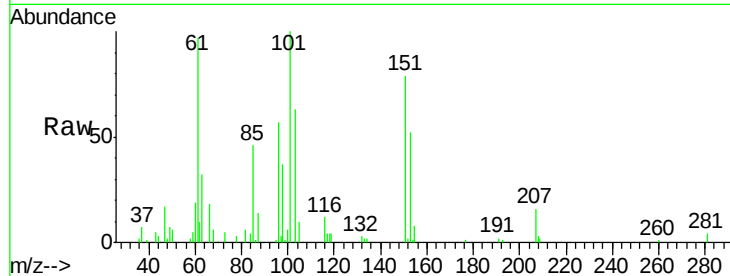
ClientSampleId :

VN0226WBSD01

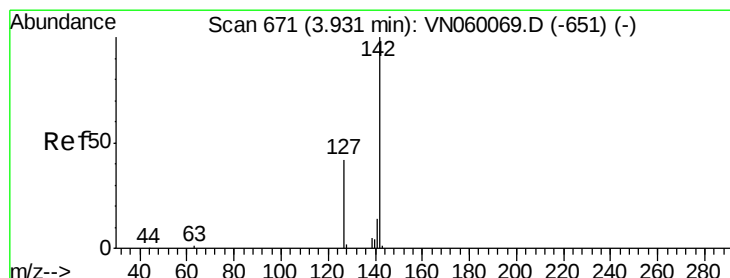
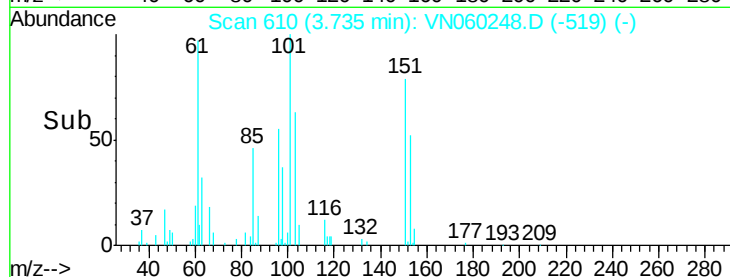
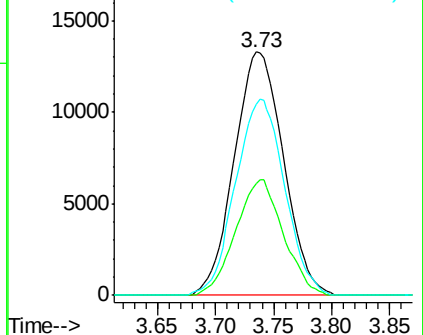
Tot Ion:	101	Resp:	39307
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.1	52.7
151	80.4	65.8	98.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.938 ug/l

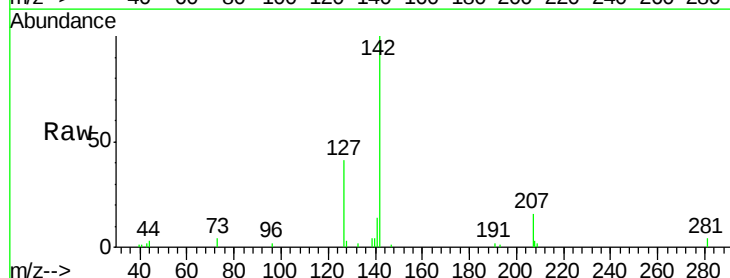
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

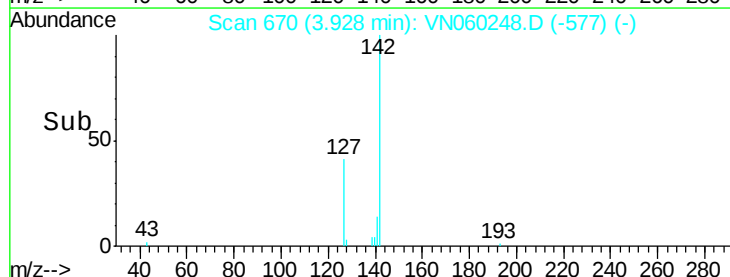
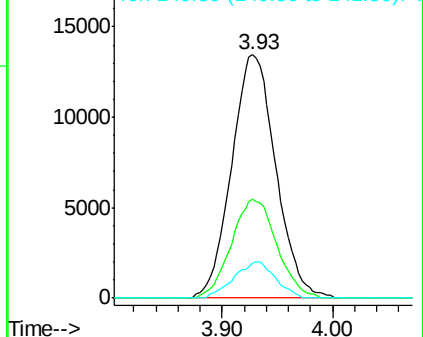
Lab File: VN060248.D

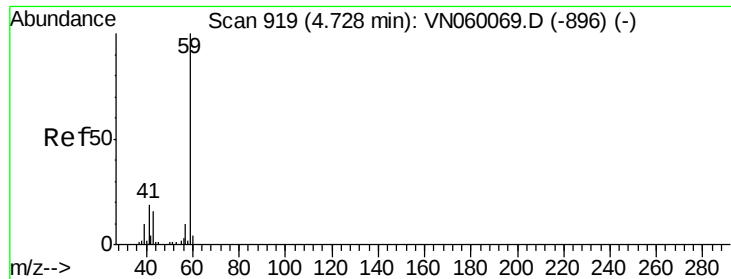
Acq: 26 Feb 2020 14:02

Tgt Ion:	142	Resp:	37315
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.6	50.4
141	13.8	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

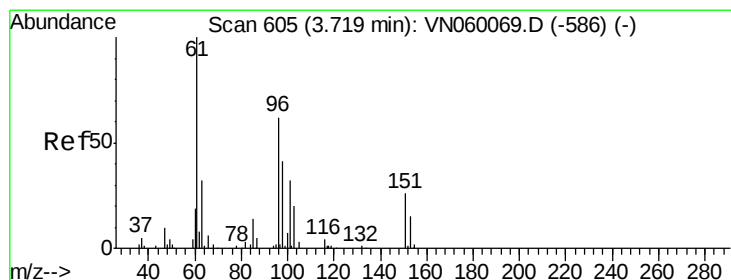
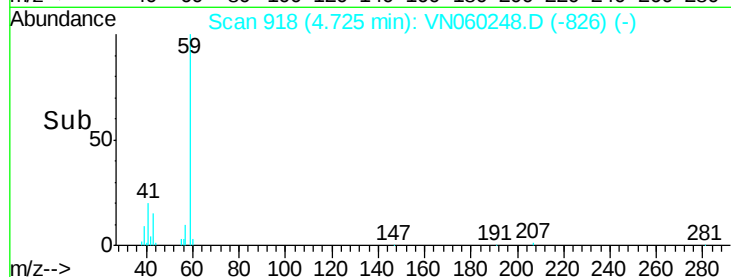
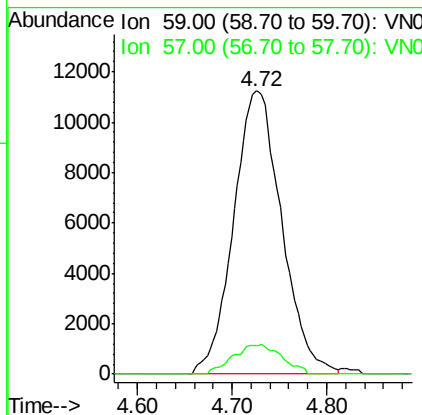
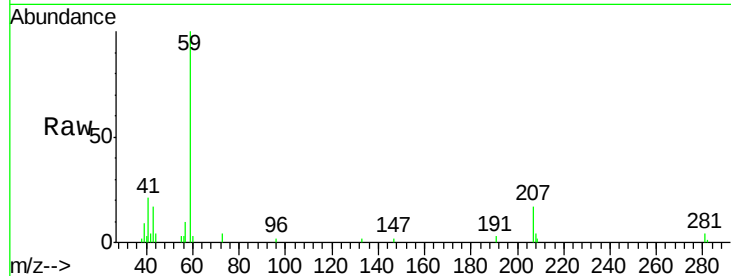
Tert butyl alcohol
 Concen: 107.861 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.2	12.4#

Manual Integrations
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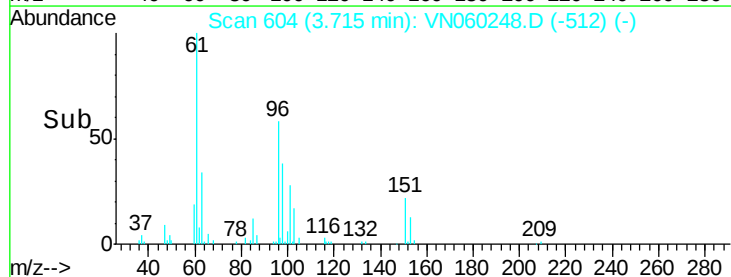
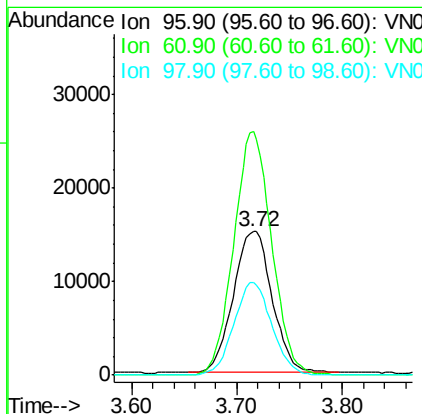
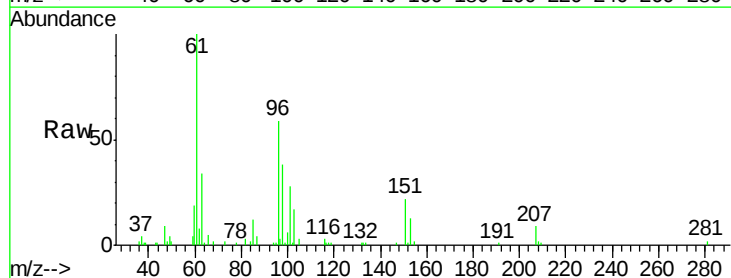
MMDadoda
 2/27/2020 9:40:56 AM

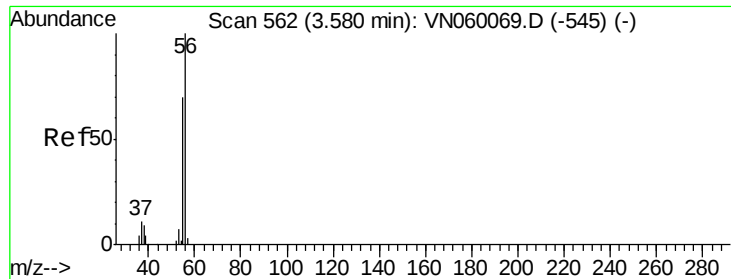


#12

1,1-Dichloroethene
 Concen: 20.124 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.0	128.3	192.5
98	65.8	52.2	78.4





#13

Acrolein

Concen: 93.082 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 56 Resp: 33866

Ion Ratio Lower Upper

56 100

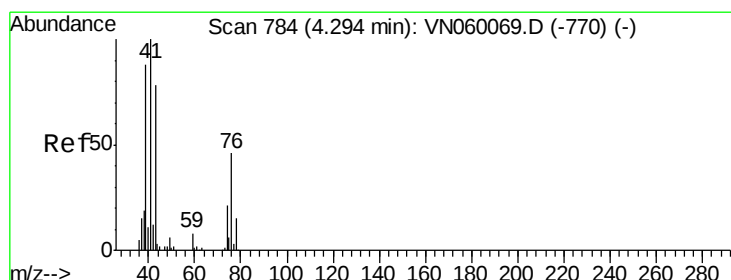
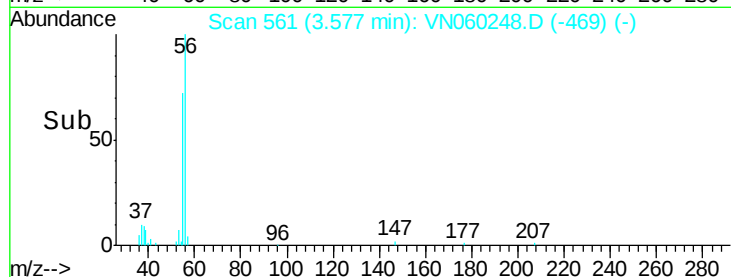
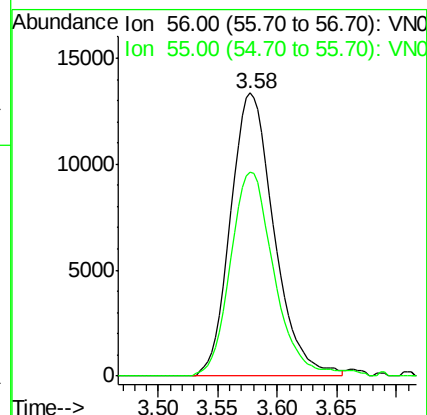
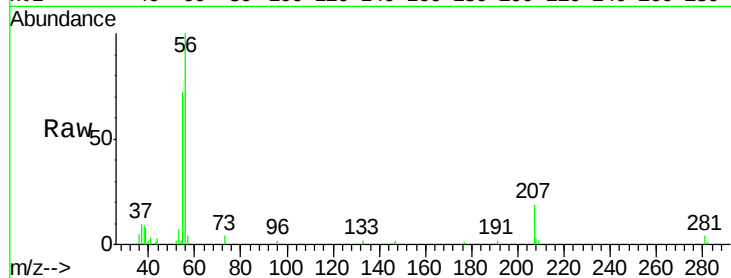
55 72.0 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 23.496 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

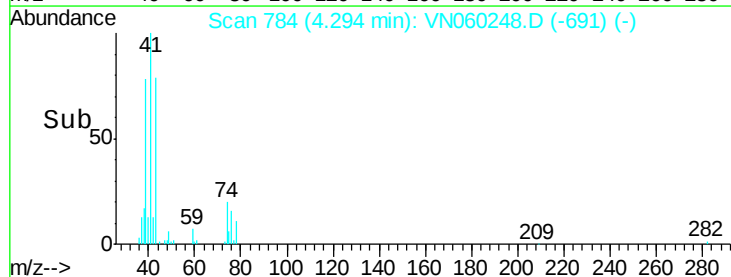
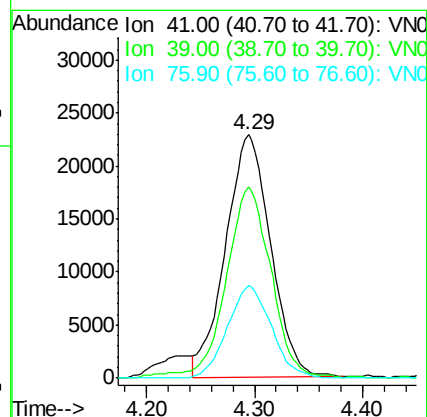
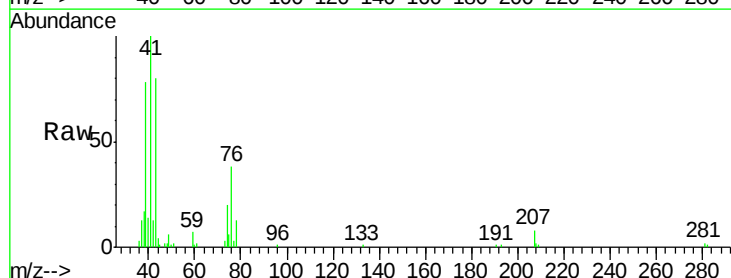
Tgt Ion: 41 Resp: 66093

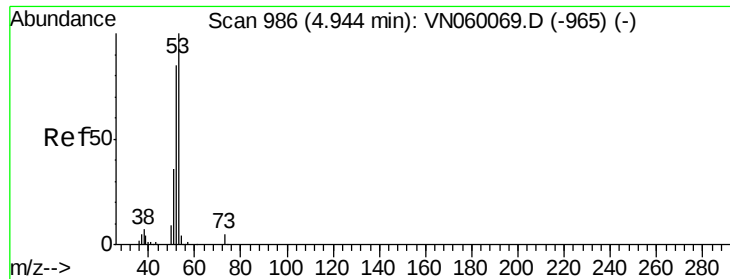
Ion Ratio Lower Upper

41 100

39 79.2 67.8 101.8

76 37.2 33.9 50.9





#15

Acrylonitrile

Concen: 118.982 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

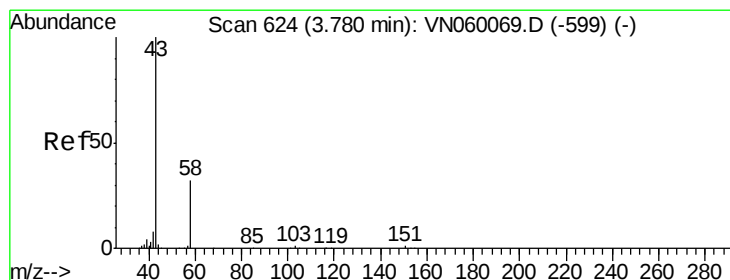
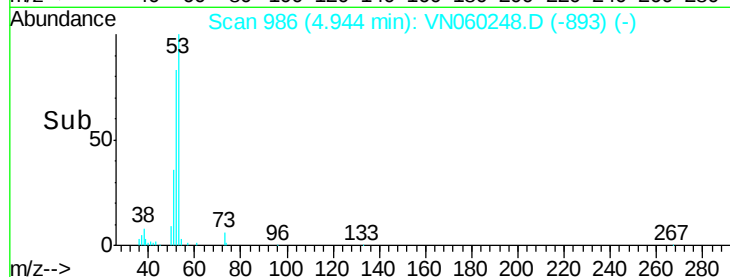
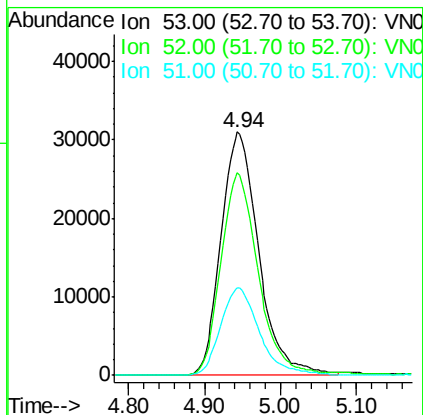
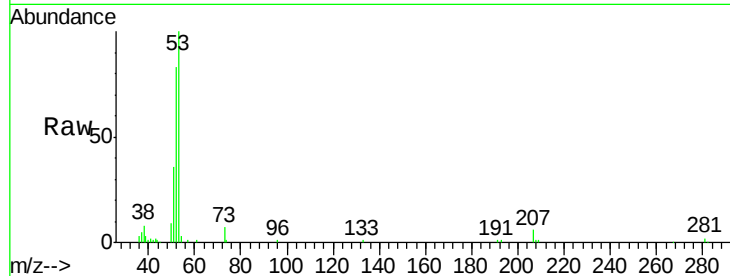
ClientSampleId :

VN0226WBSD01

Tot Ion:	53	Resp:	106954
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.8	100.2
51	37.1	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 78.548 ug/l

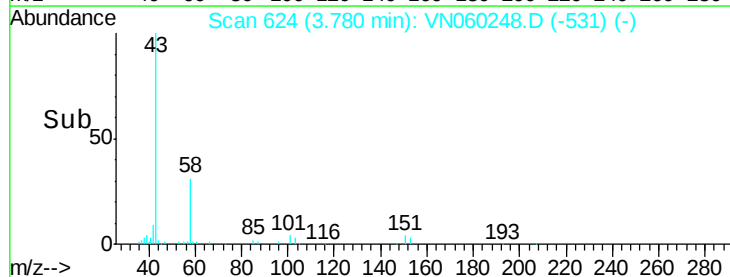
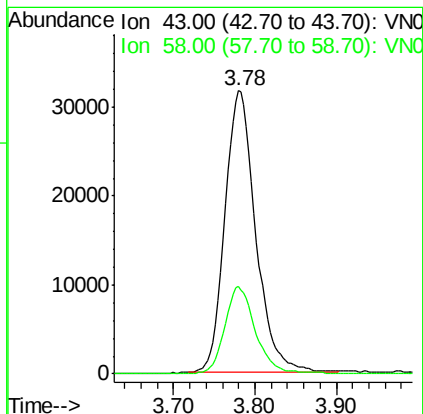
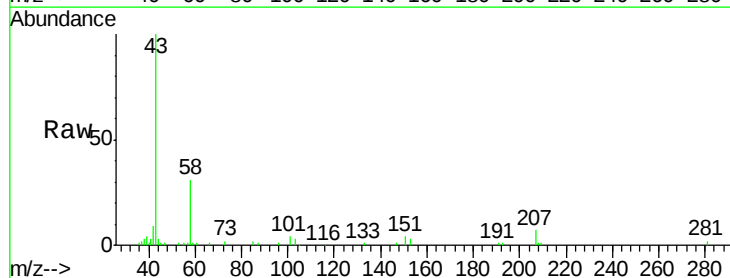
RT: 3.78 min Scan# 624

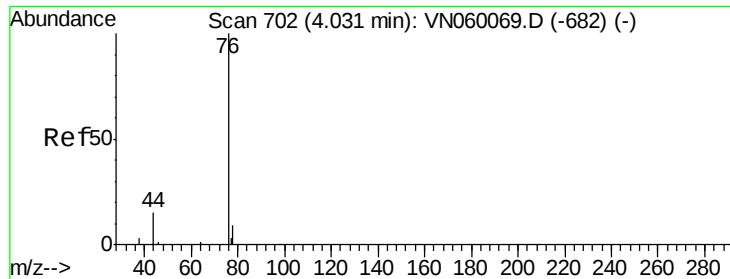
Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion:	43	Resp:	84275
Ion Ratio	Lower	Upper	
43	100		
58	30.9	25.2	37.8





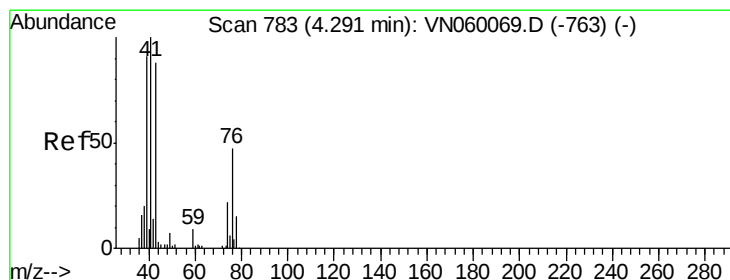
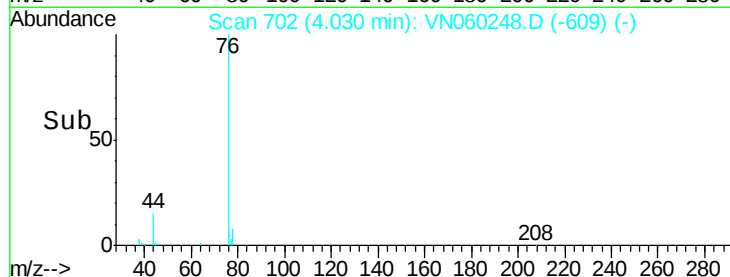
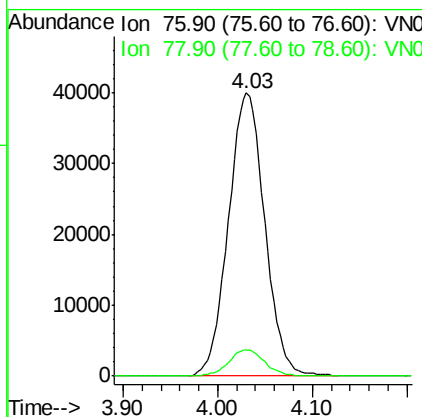
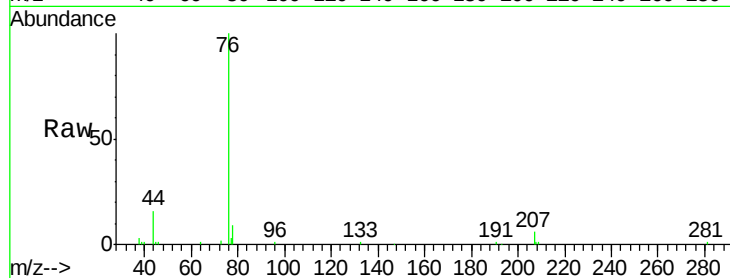
#17
Carbon Disulfide
Concen: 18.480 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

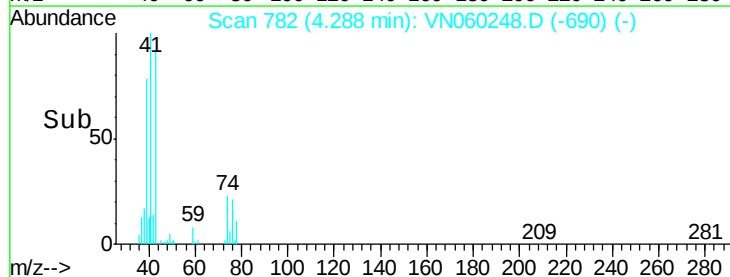
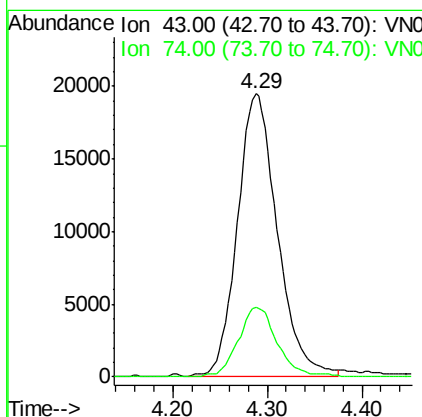
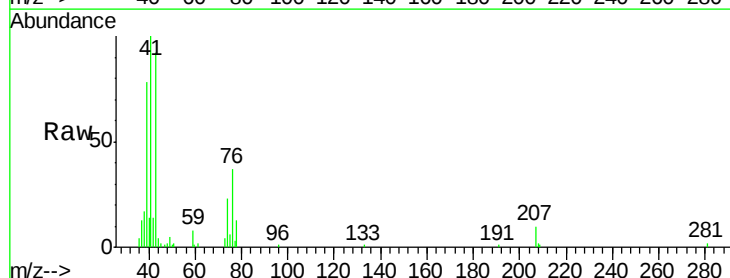
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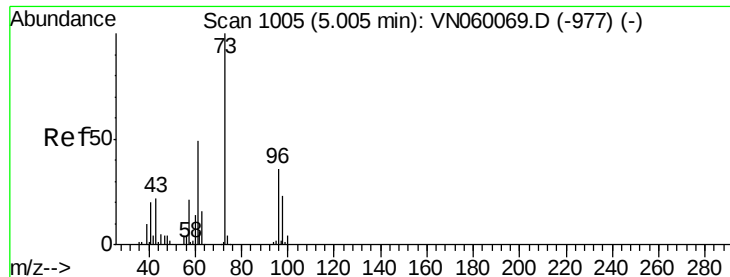
MMDadoda
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#18
Methyl Acetate
Concen: 28.436 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	20.3	30.5





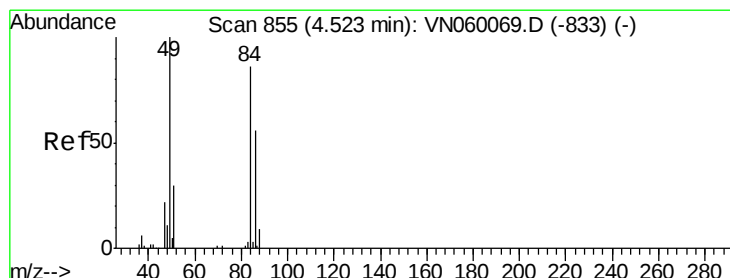
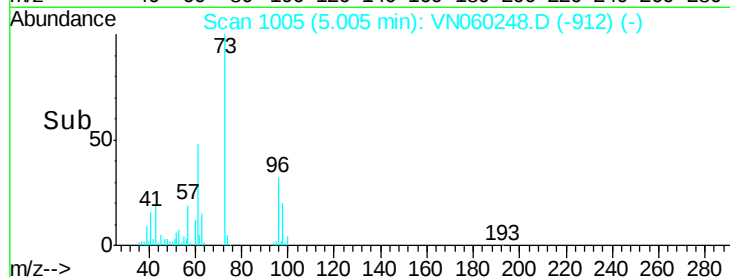
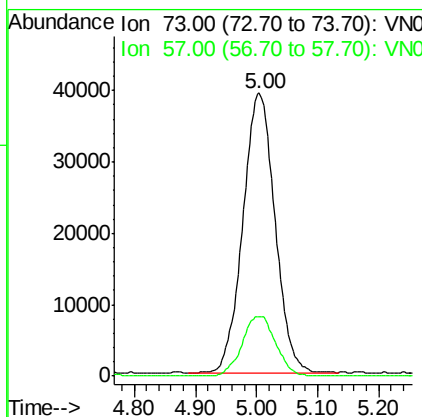
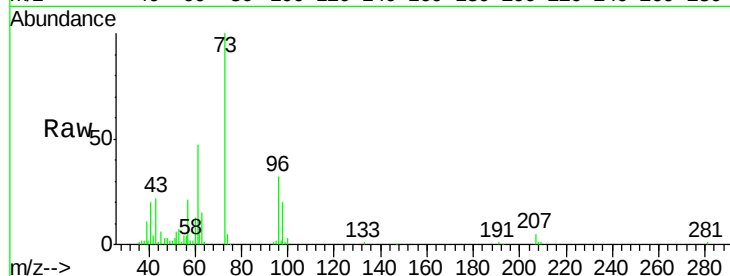
#19
Methvl tert-butvl Ether
Concen: 22.307 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion: 73 Resp: 143369
Ion Ratio Lower Upper
73 100
57 21.2 17.2 25.8

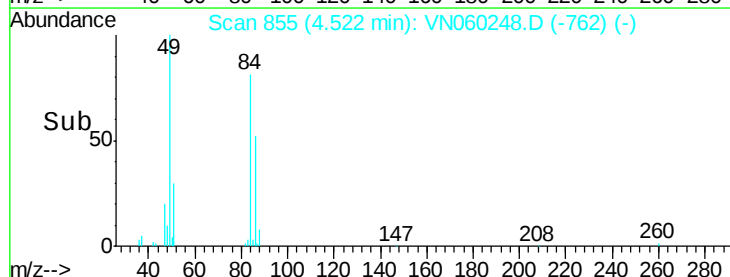
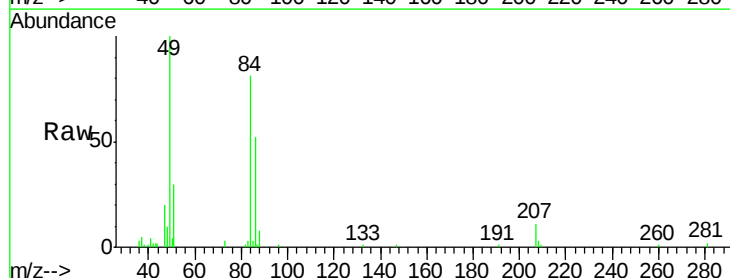
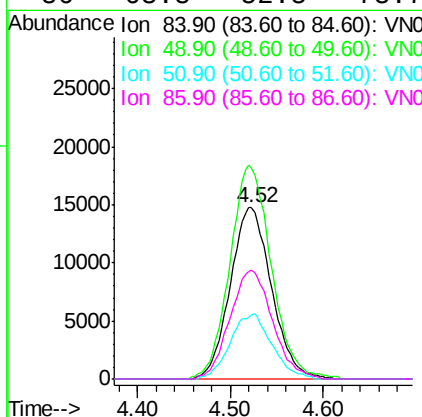
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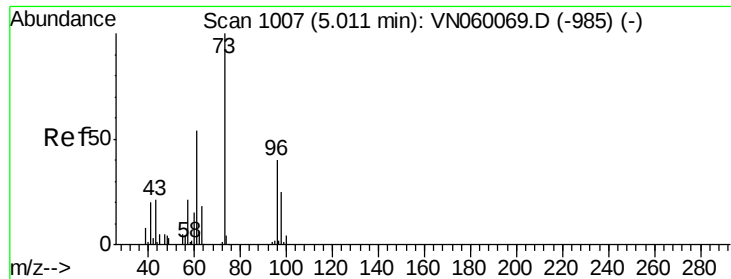
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#20
Methylene Chloride
Concen: 21.283 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 84 Resp: 45557
Ion Ratio Lower Upper
84 100
49 123.4 93.4 140.0
51 37.4 28.4 42.6
86 63.8 52.5 78.7





#21

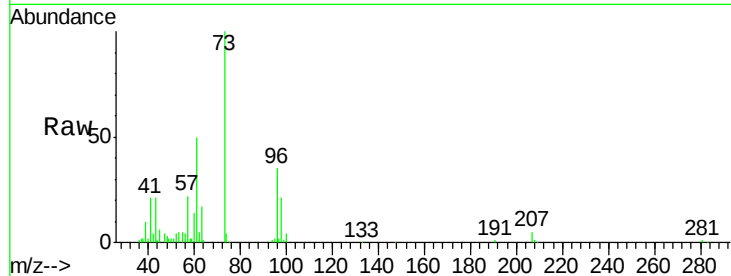
trans-1,2-Dichloroethene
Concen: 20.060 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.7	109.3	163.9
98	61.3	51.0	76.6

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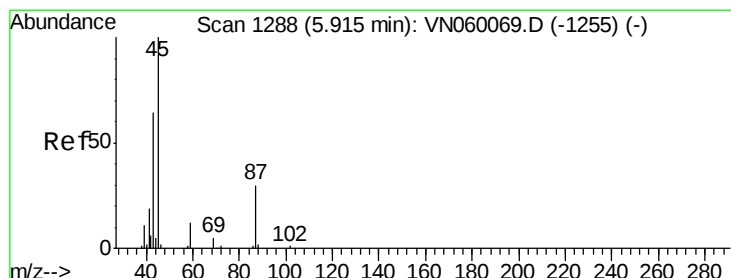
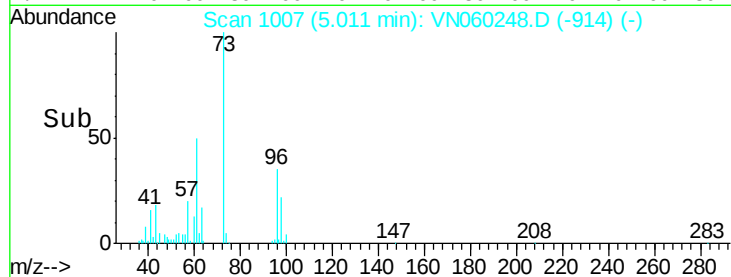
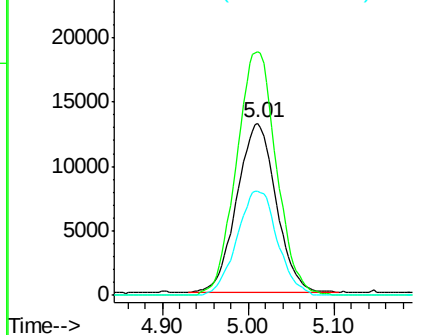


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

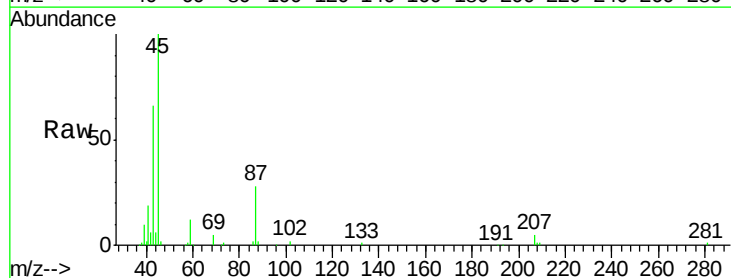
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 23.679 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	55.9	83.9
87	27.8	24.5	36.7
59	11.9	9.9	14.9



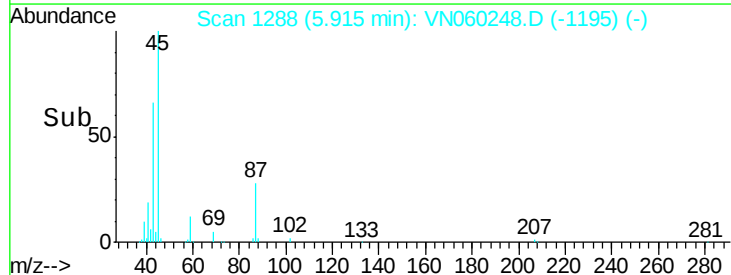
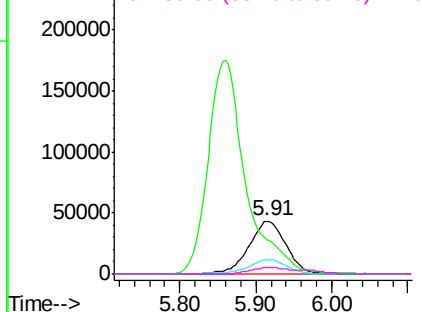
Abundance

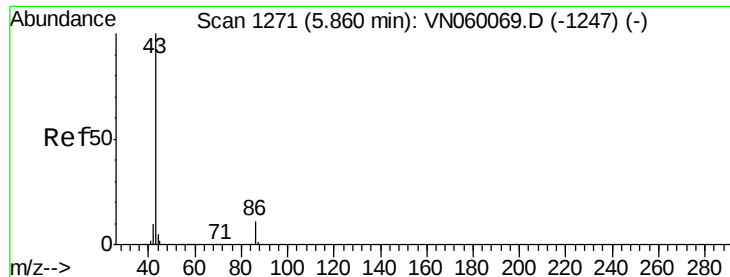
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 116.146 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 43 Resp: 601290

Ion Ratio Lower Upper

43 100

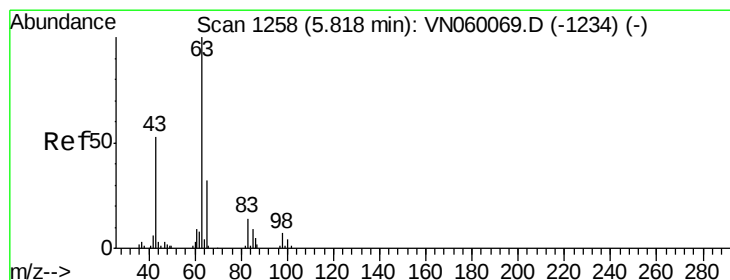
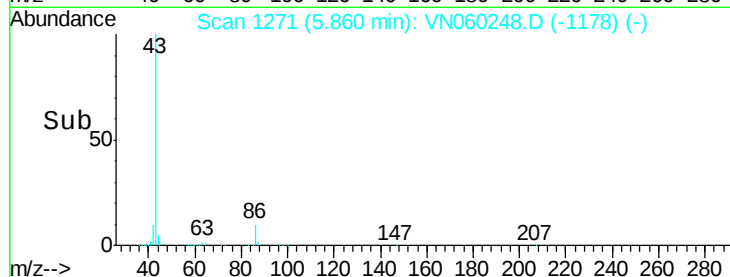
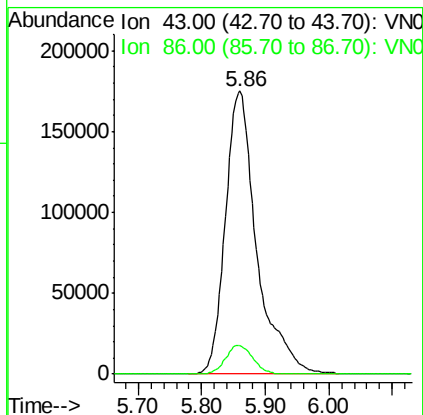
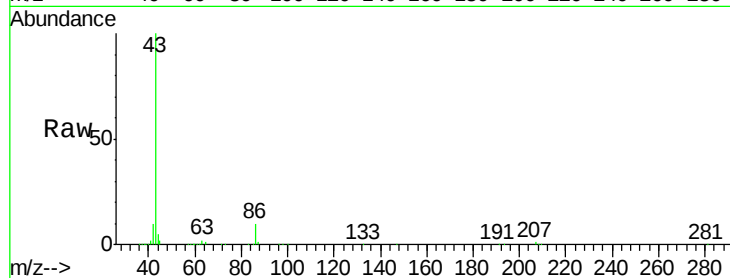
86 10.1 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 22.020 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

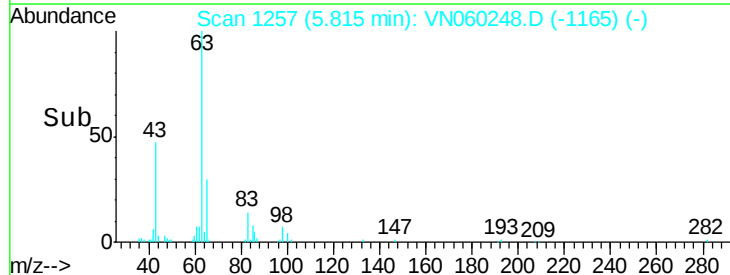
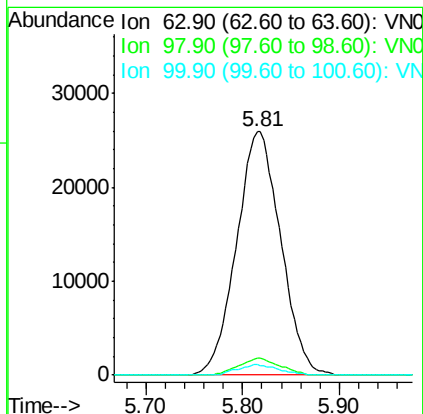
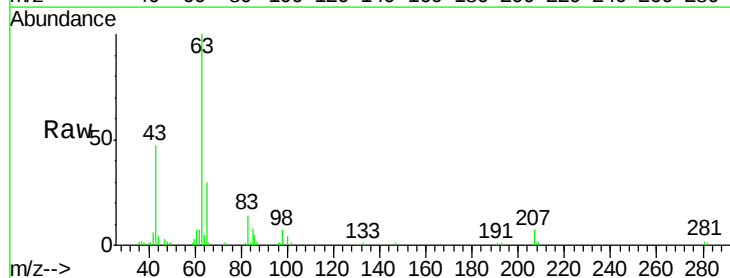
Tgt Ion: 63 Resp: 82236

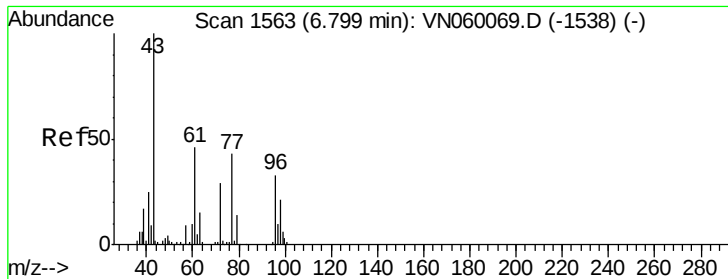
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 103.400 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 43 Resp: 139526

Ion Ratio Lower Upper

43 100

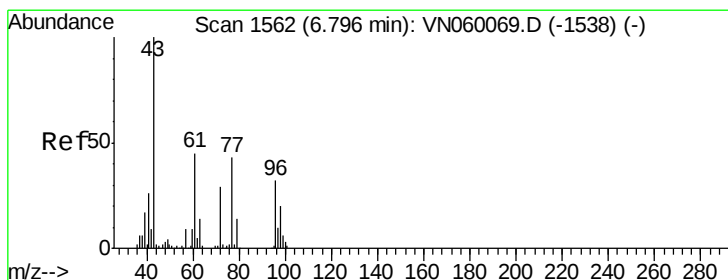
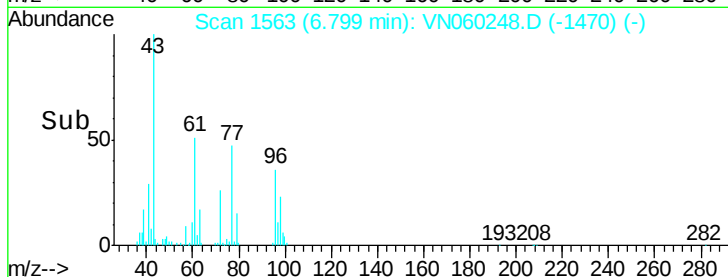
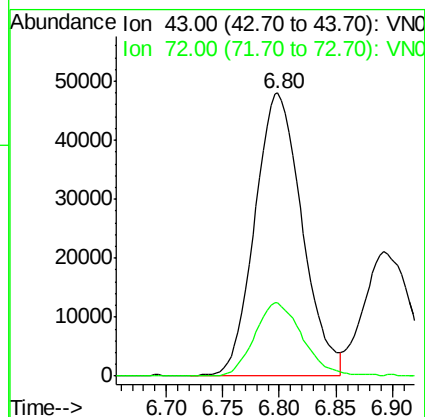
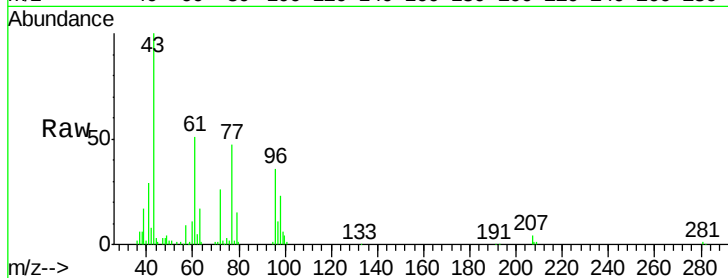
72 25.8 23.3 34.9

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2/27/2020 9:40:56 AM



#26

2,2-Dichloropropane

Concen: 20.410 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060248.D

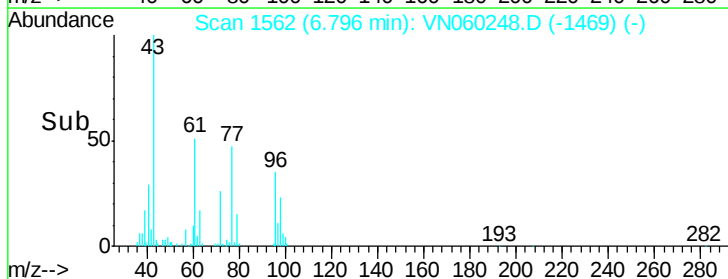
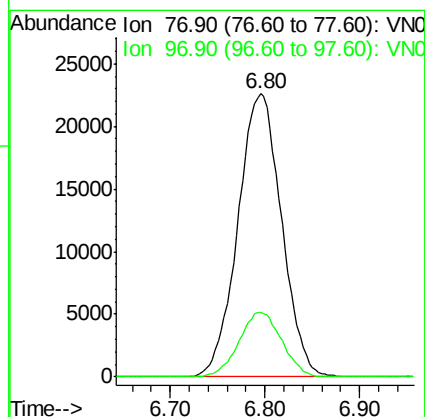
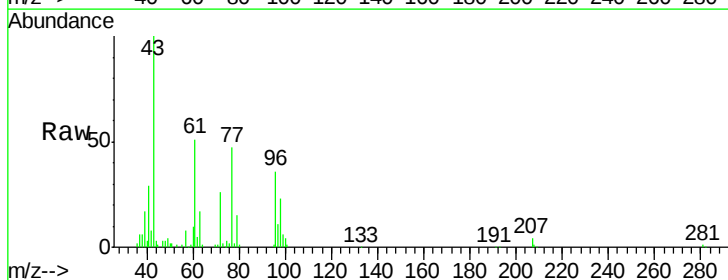
Acq: 26 Feb 2020 14:02

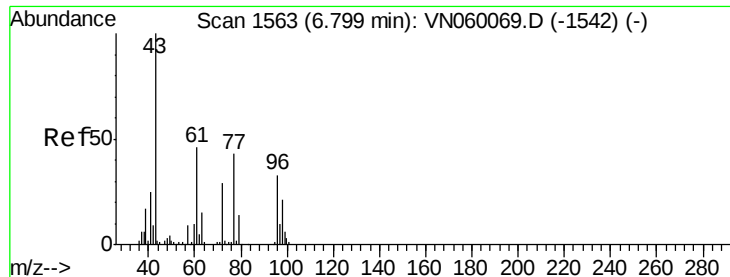
Tgt Ion: 77 Resp: 72397

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.179 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

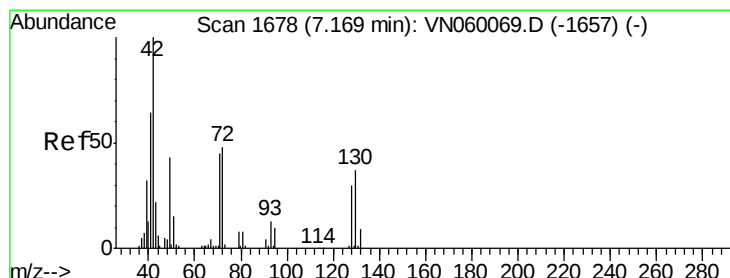
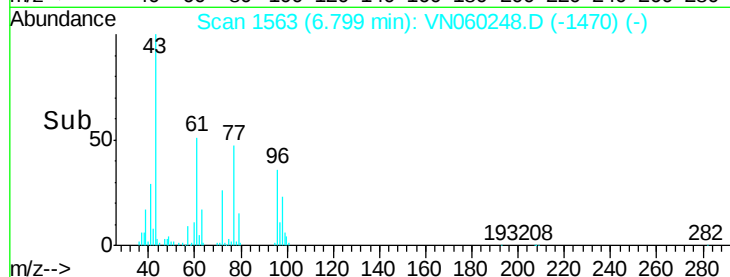
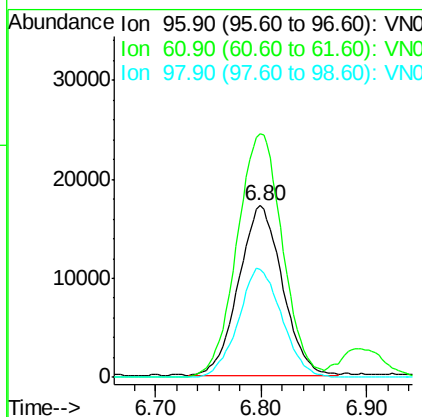
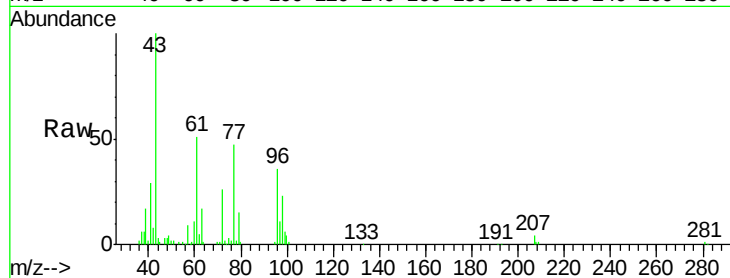
ClientSampleId :

VN0226WBSD01

Tot Ion:	96	Resp:	49200
Ion	Ratio	Lower	Upper
96	100		
61	150.2	0.0	285.8
98	64.2	0.0	129.6

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#28

Bromochloromethane

Concen: 24.772 ug/l

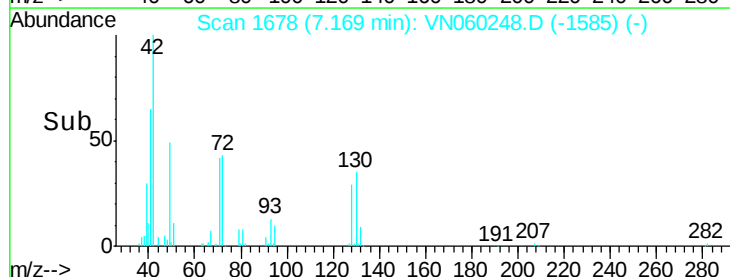
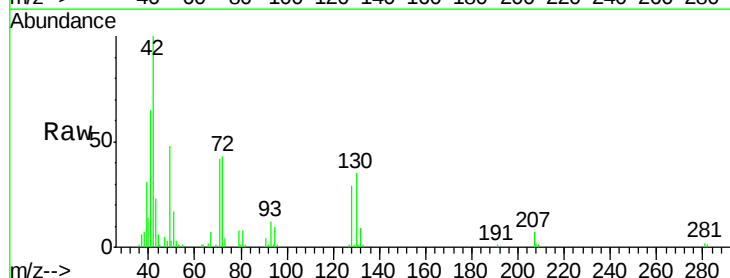
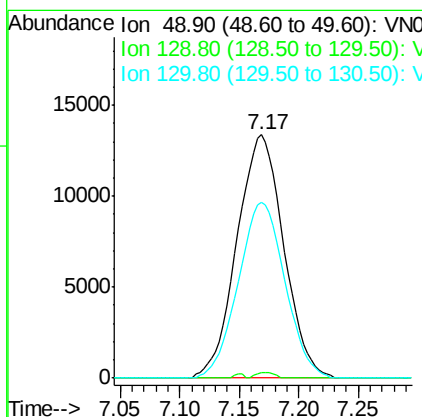
RT: 7.17 min Scan# 1678

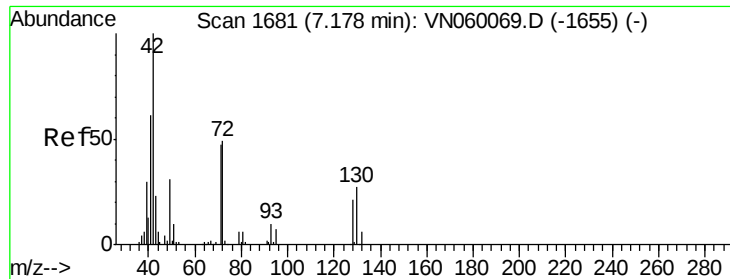
Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion:	49	Resp:	36371
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.2
130	72.2	66.8	100.2





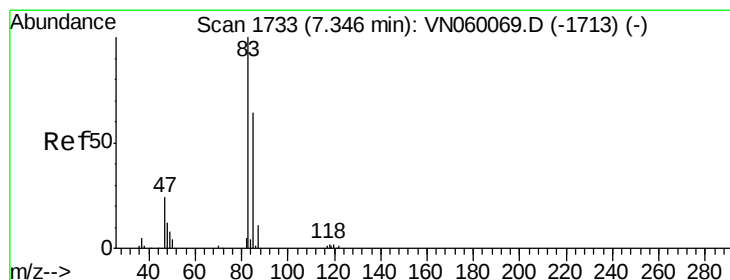
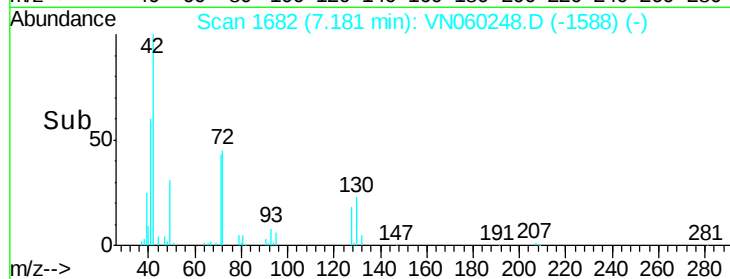
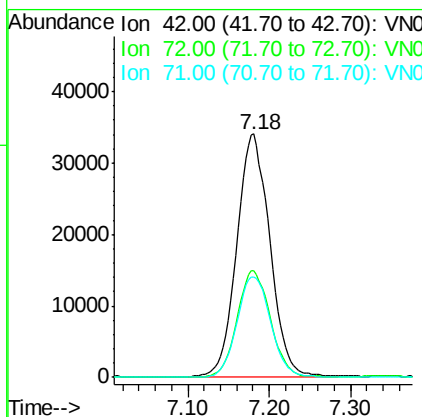
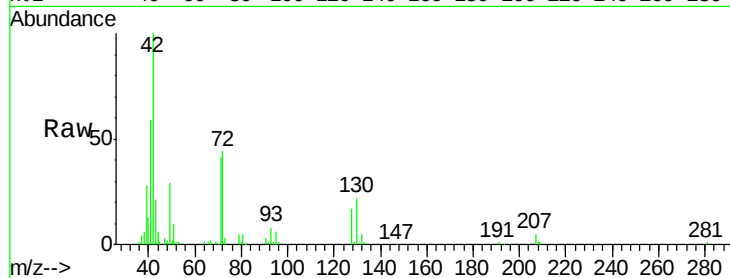
#29
Tetrahydrofuran
Concen: 116.328 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	38.2	57.4
71	41.7	36.6	54.8

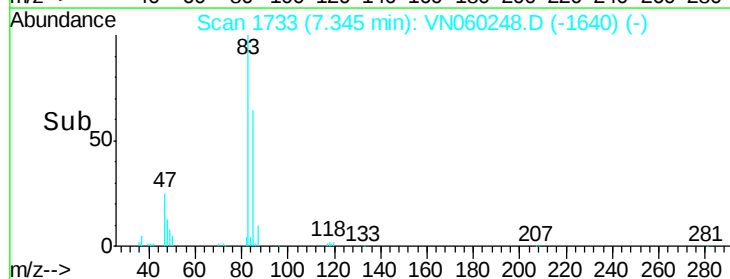
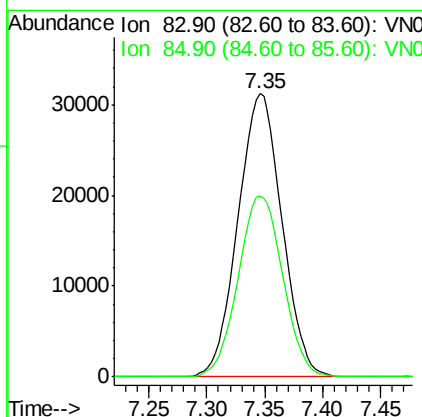
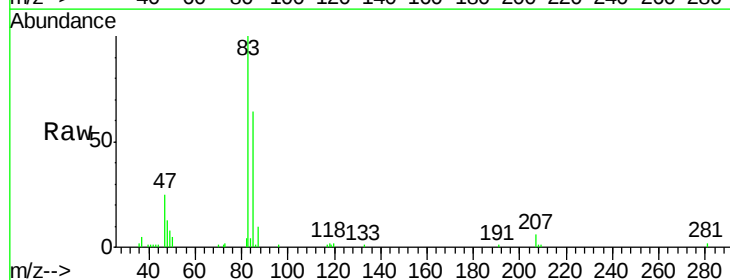
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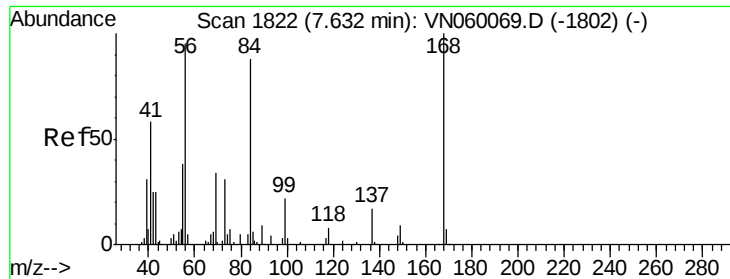
MMDadoda
2/27/2020 9:40:56 AM



#30
Chloroform
Concen: 21.034 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.0





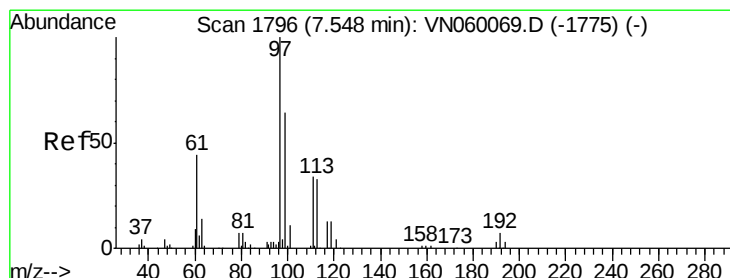
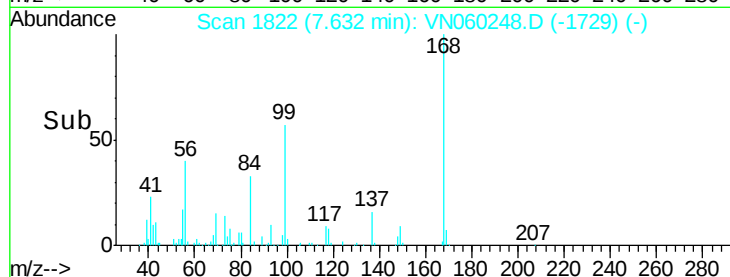
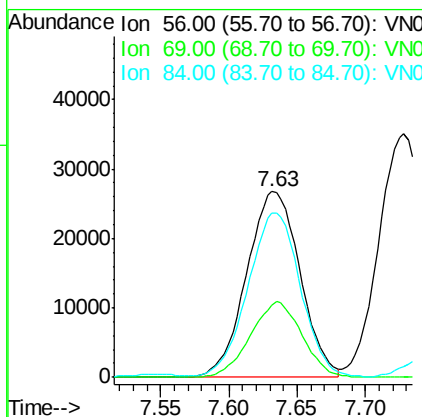
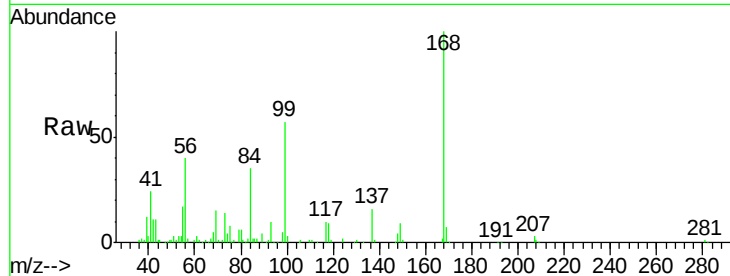
#31
Cyclohexane
Concen: 20.882 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	28.3	42.5
84	87.6	72.6	108.8

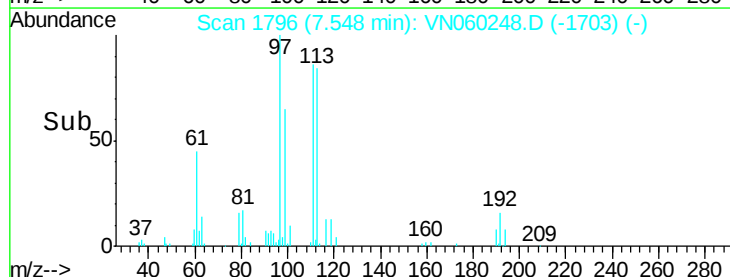
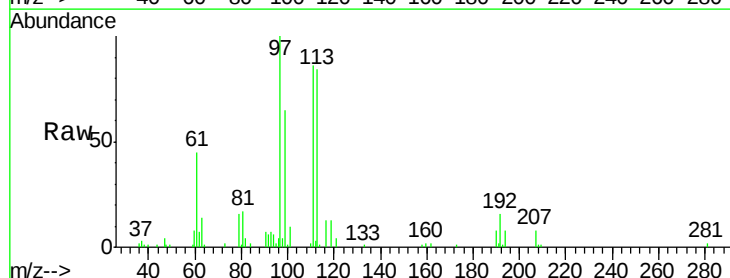
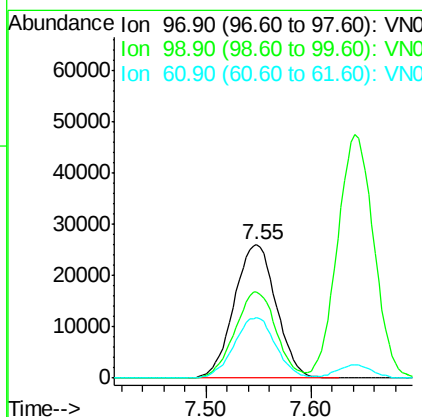
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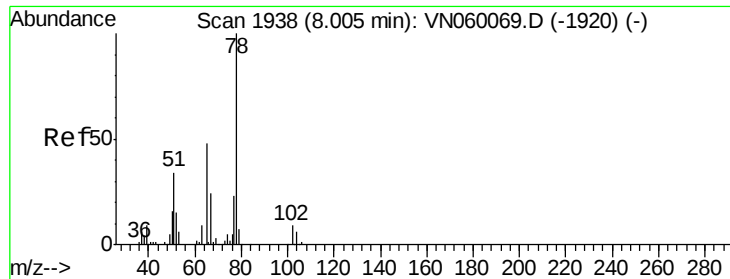
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#32
1,1,1-Trichloroethane
Concen: 20.157 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.0
61	44.6	34.9	52.3





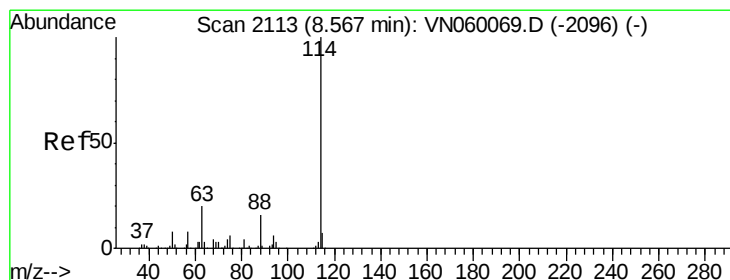
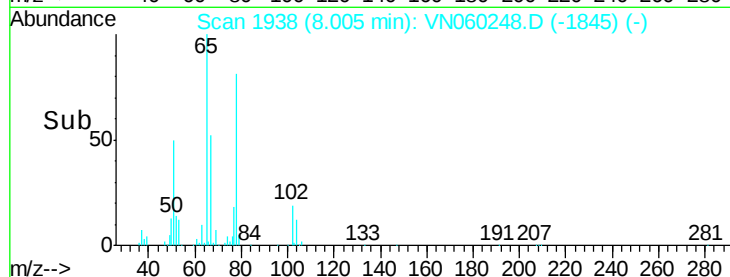
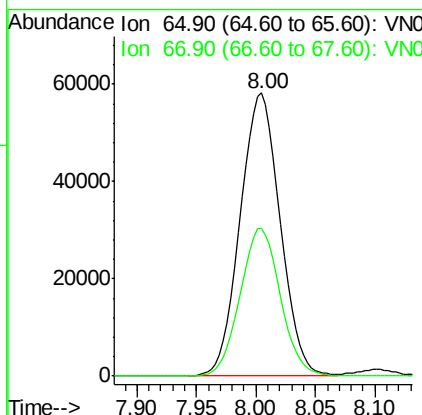
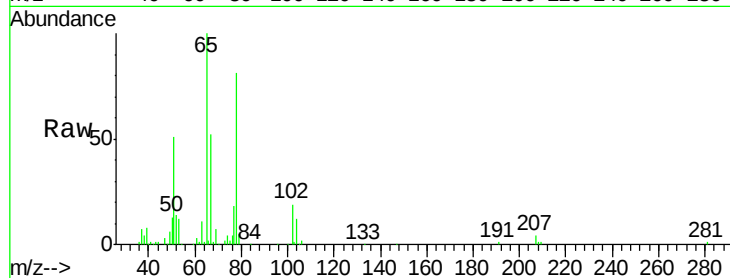
#33
 1,2-Dichloroethane-d4
 Concen: 55.163 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	104.0	

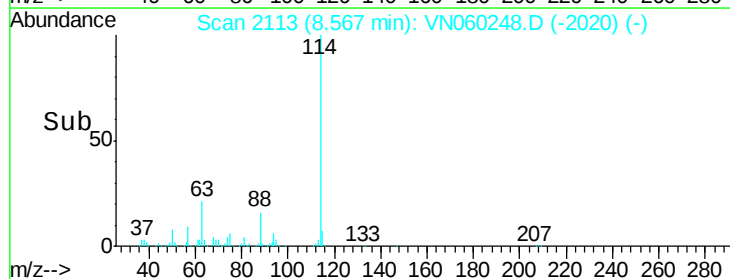
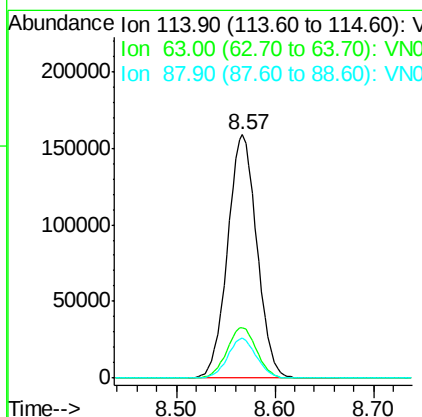
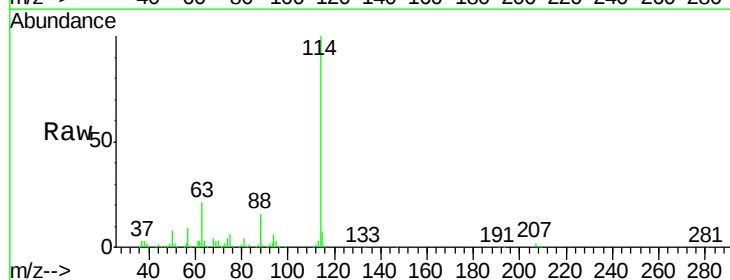
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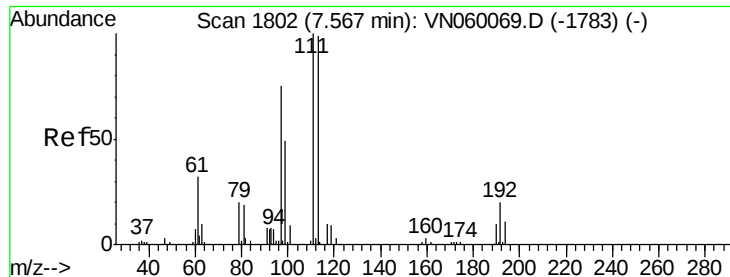
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 2/27/2020 9:40:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	40.0	
88	16.3	0.0	31.6	





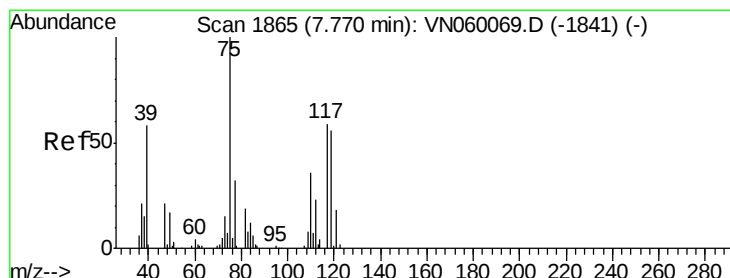
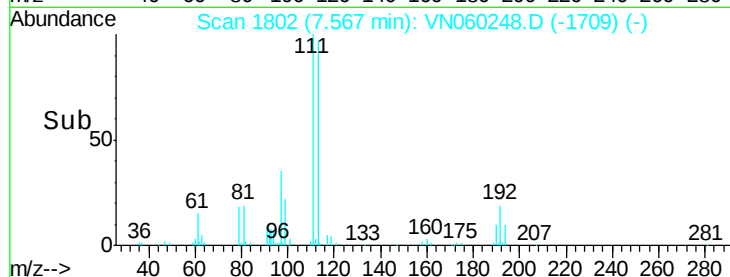
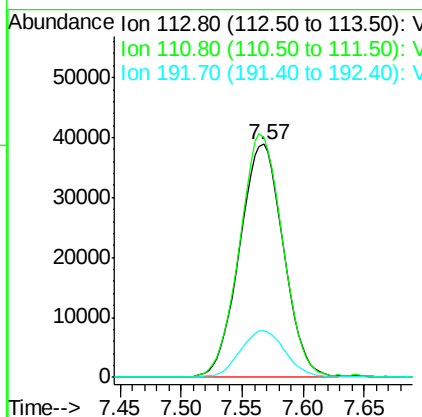
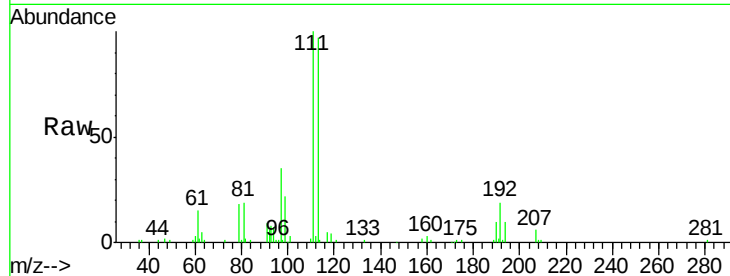
#35
 Dibromofluoromethane
 Concen: 48.343 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.2
192	20.5	16.2	24.2

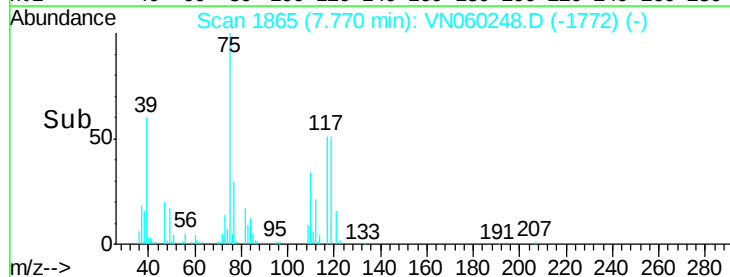
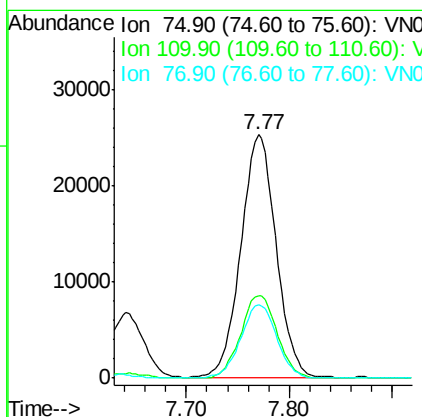
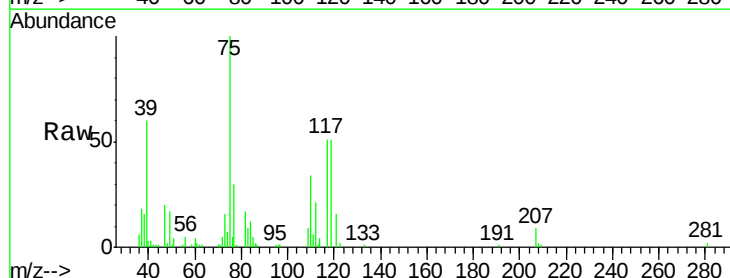
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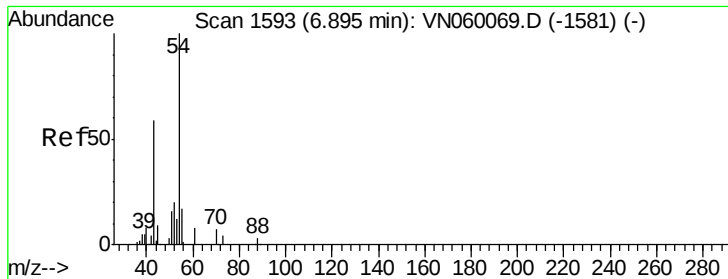
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 2/27/2020 9:40:56 AM



#36
 1,1-Dichloropropene
 Concen: 20.053 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	18.1	54.3
77	30.6	25.1	37.7





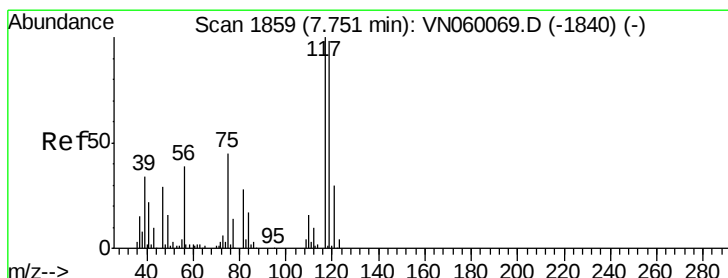
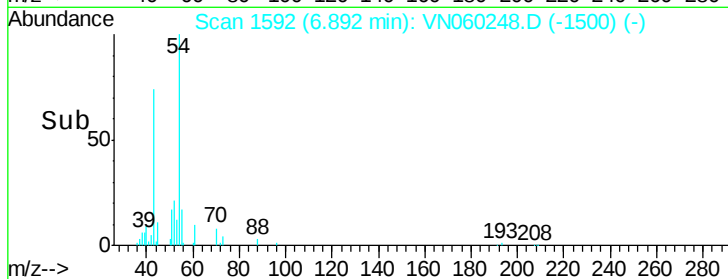
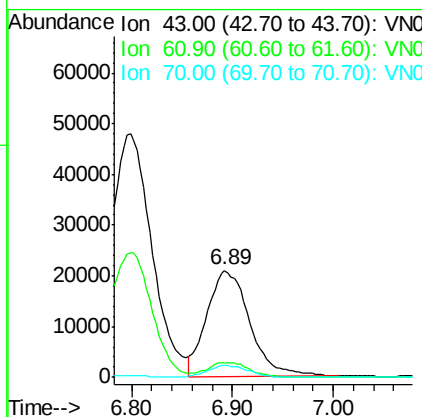
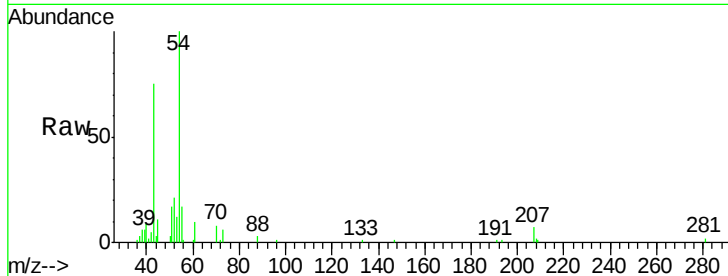
#37
Ethyl Acetate
Concen: 22.565 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.2
70	10.6	8.7	13.1

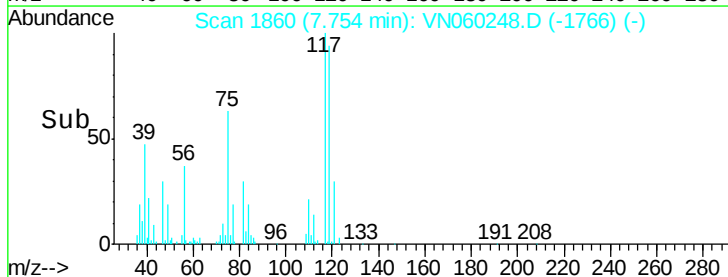
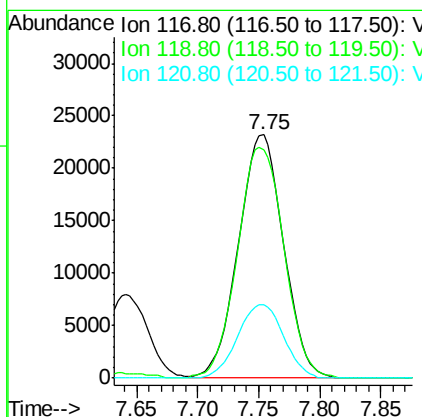
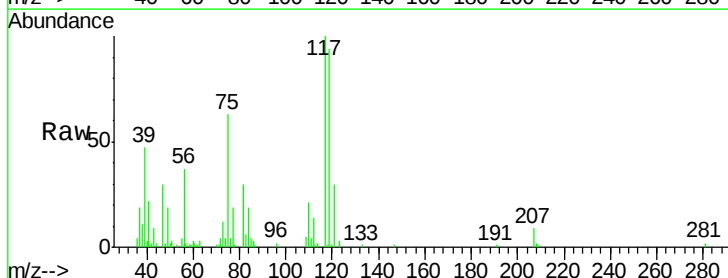
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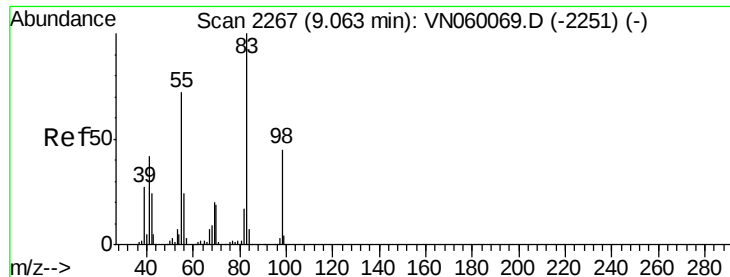
MMDadoda
2/27/2020 9:40:56 AM



#38
Carbon Tetrachloride
Concen: 18.117 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.2	117.4
121	30.4	24.2	36.2





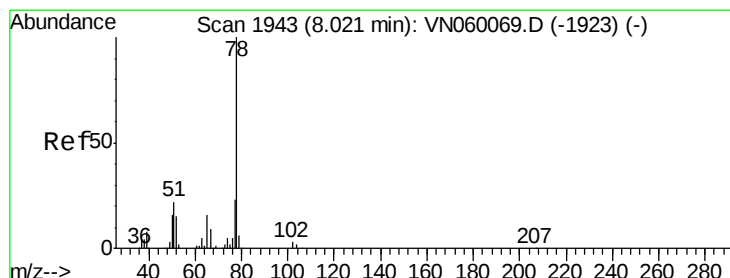
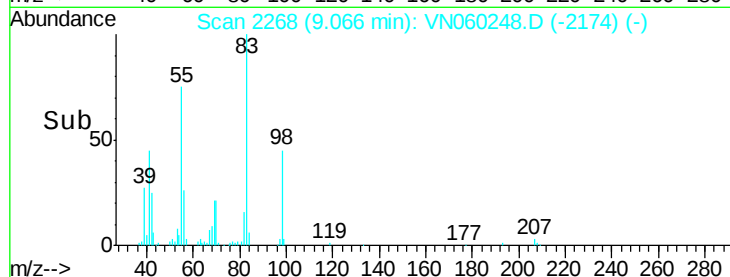
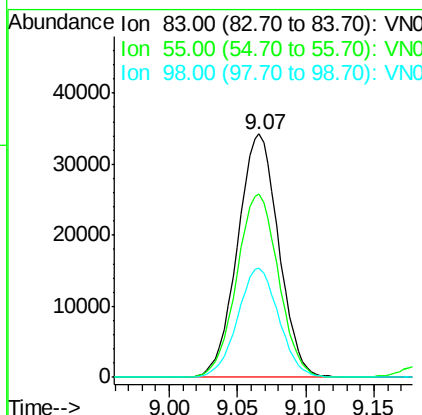
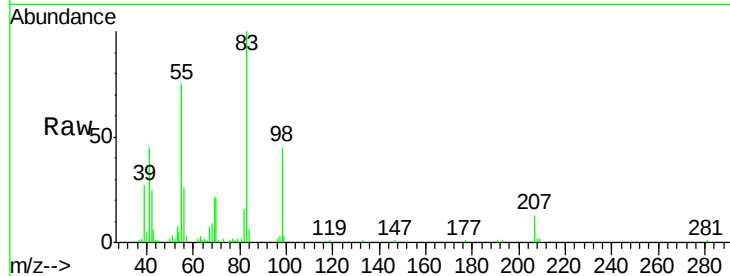
#39
Methvlcvclohexane
Concen: 19.118 ug/l
RT: 9.07 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	83	Resp	71698
Ion Ratio	100	Lower	Upper
83	100		
55	75.4	57.8	86.8
98	44.8	36.4	54.6

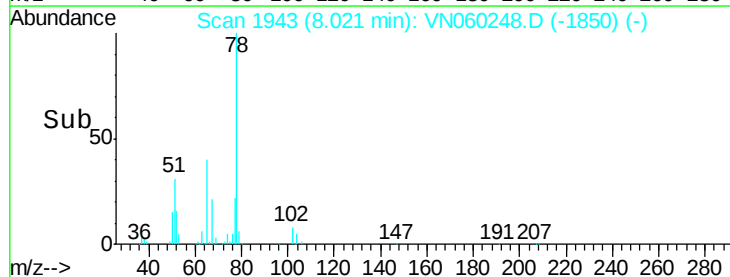
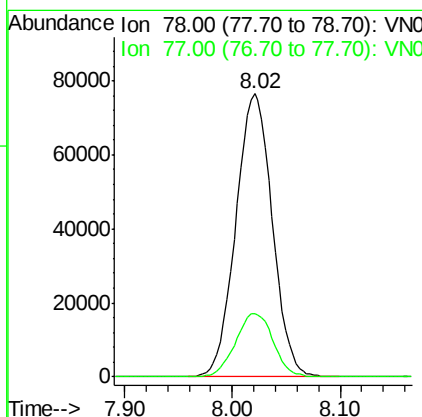
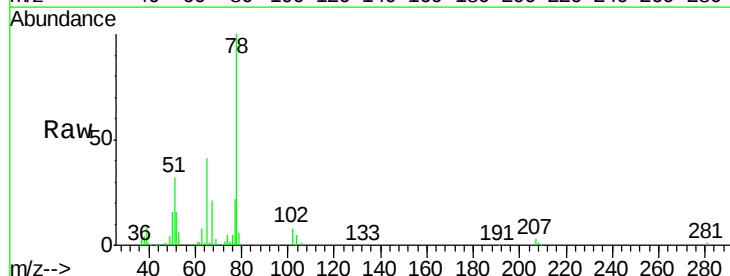
Manual Integrations
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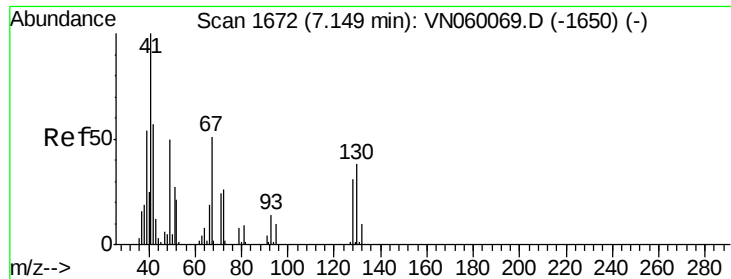
MMDadoda
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#40
Benzene
Concen: 20.067 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	78	Resp	179832
Ion Ratio	100	Lower	Upper
78	100		
77	22.5	18.8	28.2





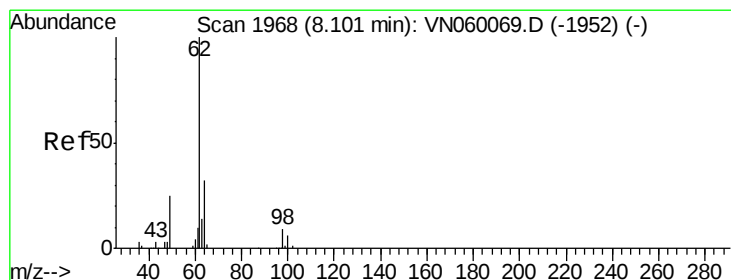
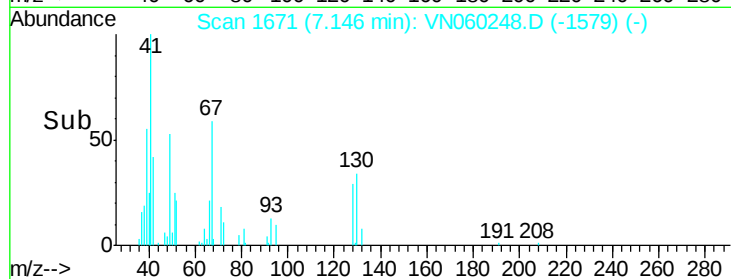
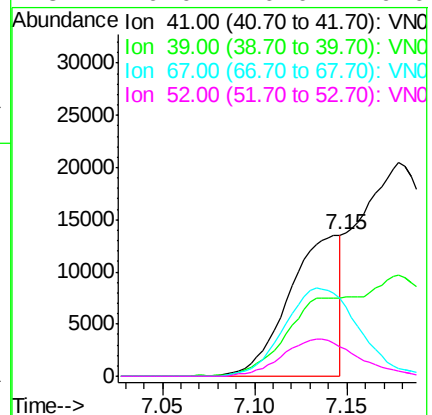
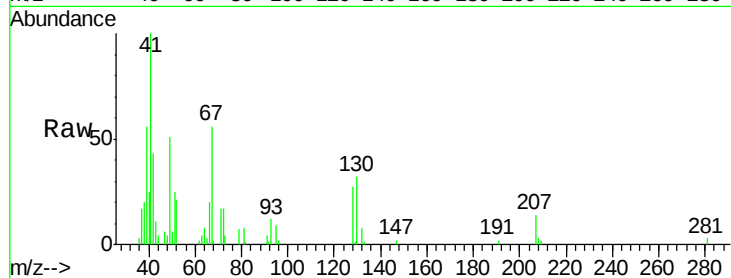
#41
Methacrylonitrile
Concen: 22.902 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

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

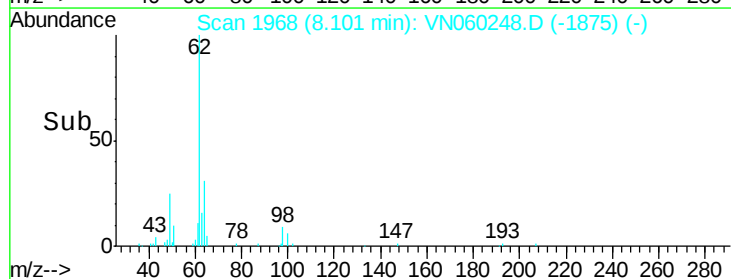
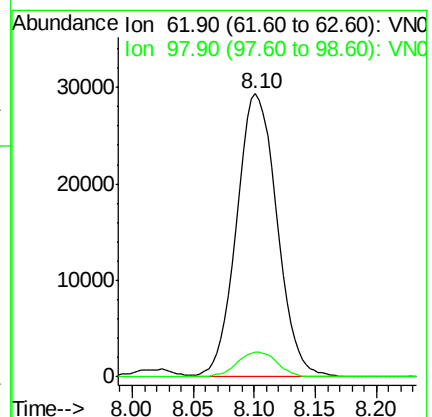
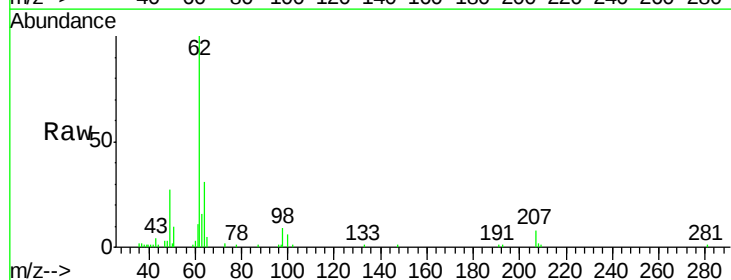
Manual Integrations
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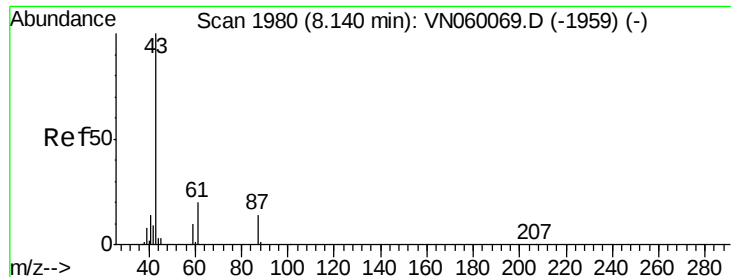
MMDadoda
2/27/2020 9:40:56 AM



#42
1,2-Dichloroethane
Concen: 21.517 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2





#43

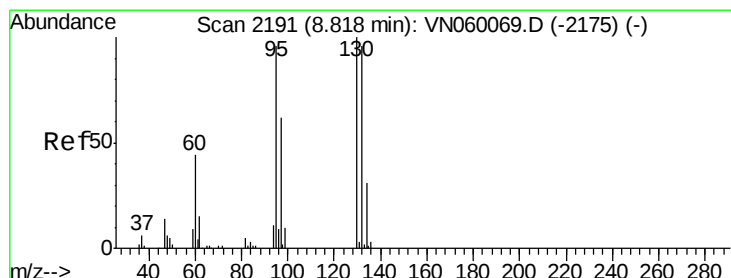
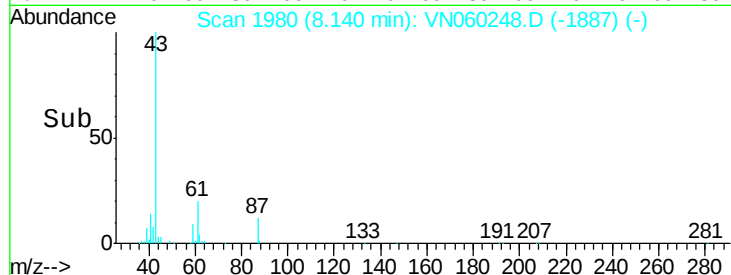
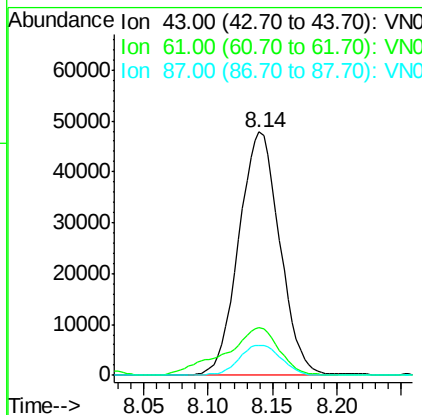
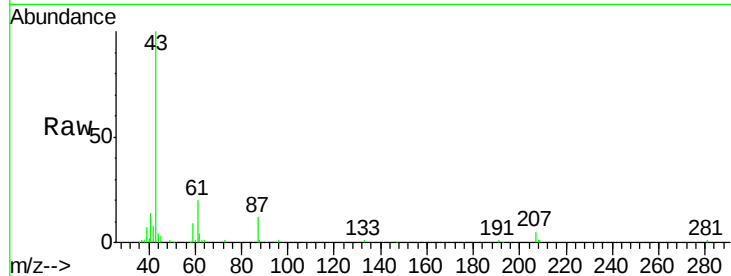
Isopropyl Acetate
 Concen: 22.683 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.8	32.6
87	12.7	11.4	17.2

Manual Integrations
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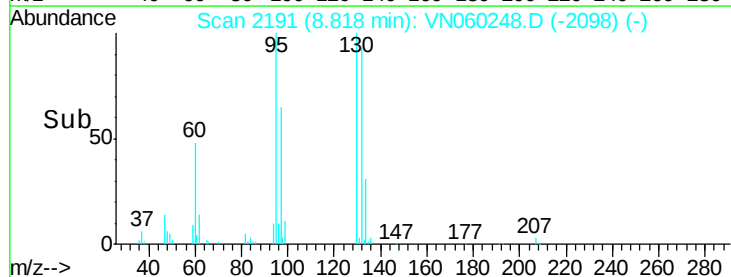
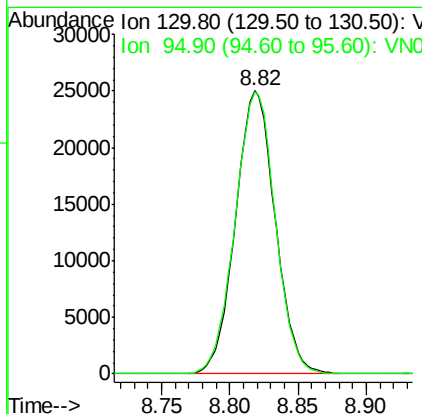
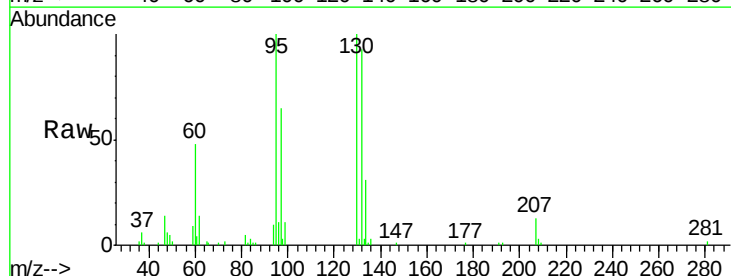
MMDadoda
 2/27/2020 9:40:56 AM

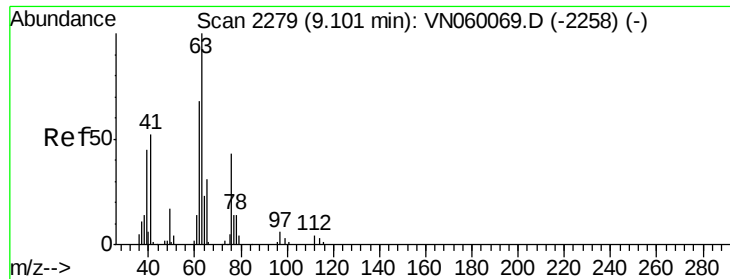


#44

Trichloroethene
 Concen: 20.374 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	192.4





#45

1,2-Dichloropropane

Concen: 21.911 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 63 Resp: 48615

Ion Ratio Lower Upper

63 100

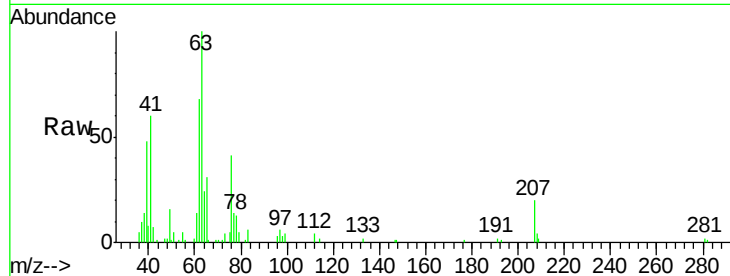
65 30.8 25.0 37.4

Manual Integrations

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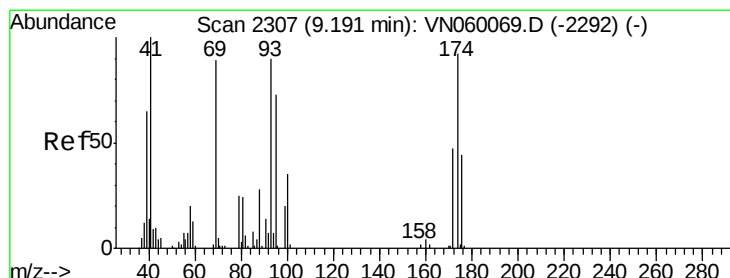
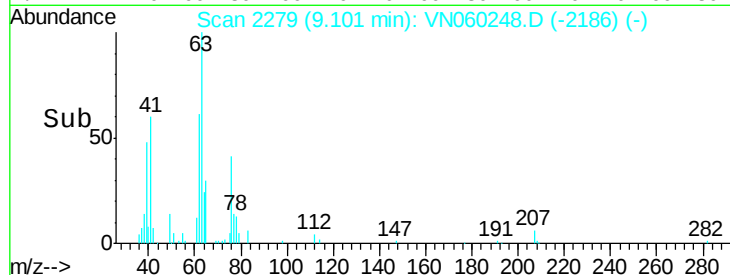
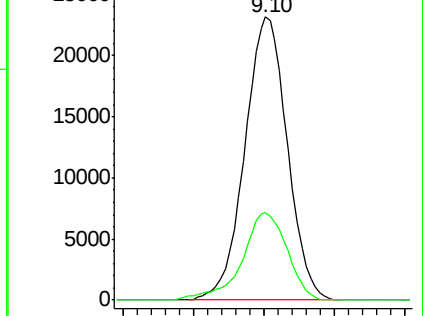
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.692 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

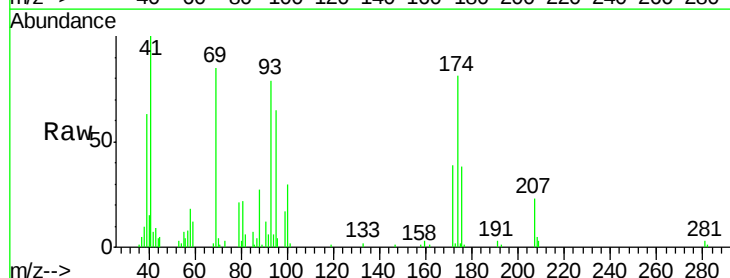
Tgt Ion: 93 Resp: 30875

Ion Ratio Lower Upper

93 100

95 83.4 65.0 97.6

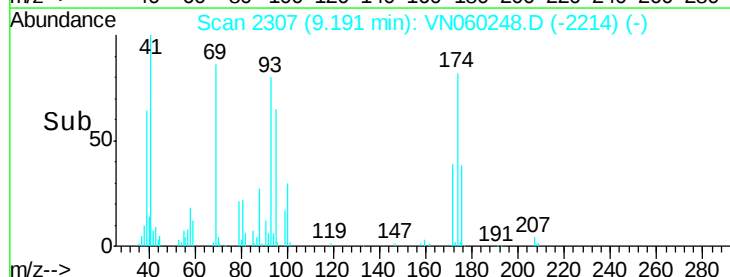
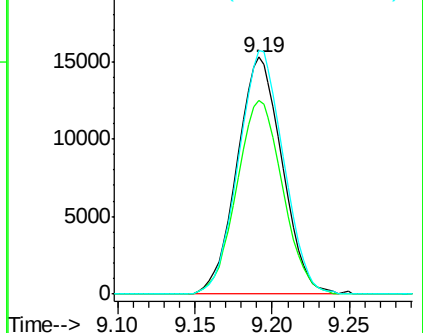
174 102.7 82.3 123.5

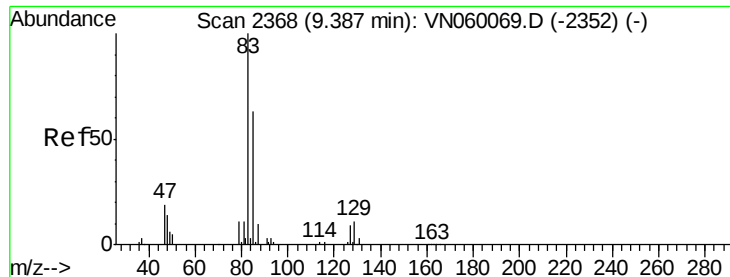


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.572 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

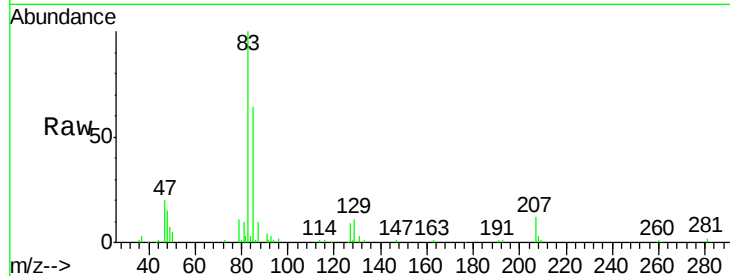
ClientSampleId :

VN0226WBSD01

Tot Ion:	83	Resp:	62388
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.6	75.8
127	9.3	7.0	10.6

Manual Integrations
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2/27/2020 9:40:56 AM

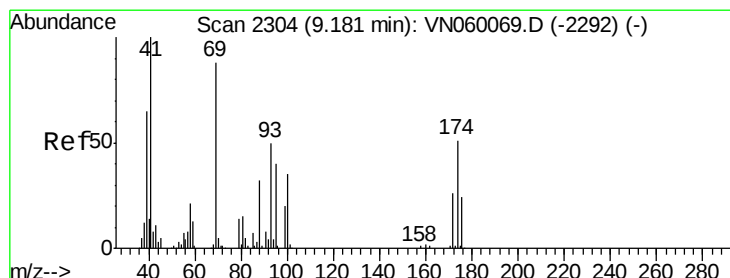
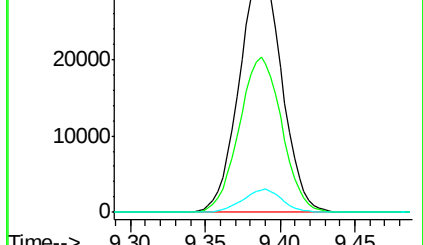
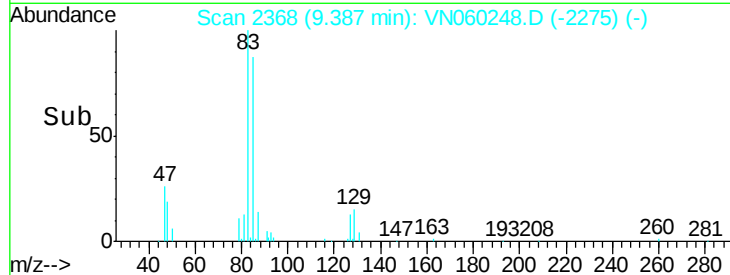


Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN060069.D (-2352) (-)

Time-->



#48

Methyl methacrylate

Concen: 22.401 ug/l

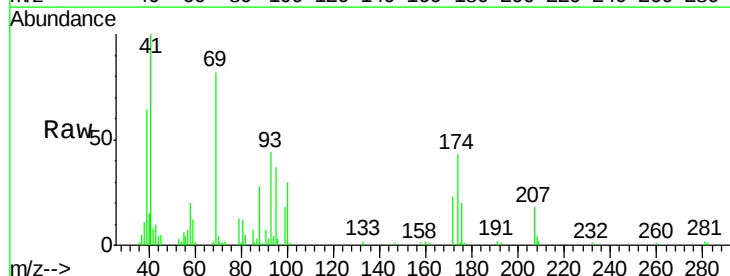
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion:	41	Resp:	46910
Ion	Ratio	Lower	Upper
41	100		
69	83.3	72.0	108.0
39	64.5	54.1	81.1

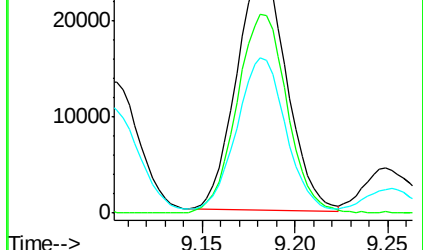
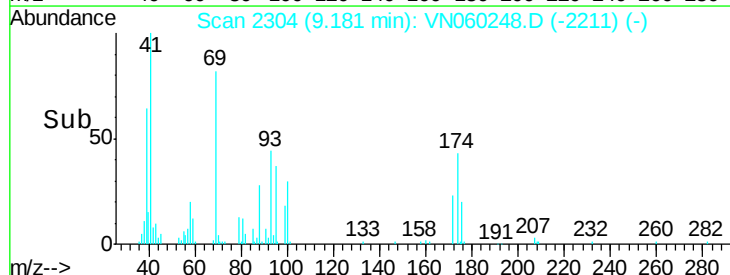


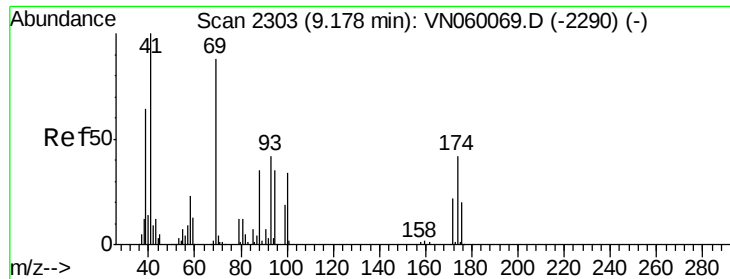
Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060069.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-2292) (-)

Time-->





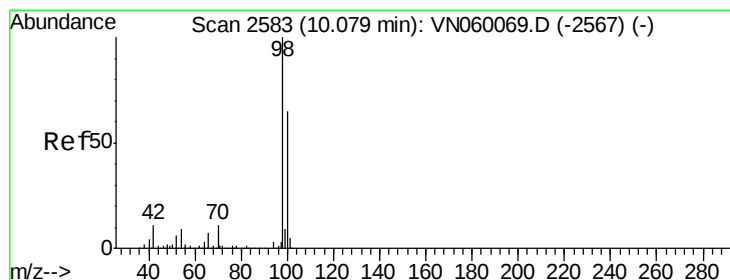
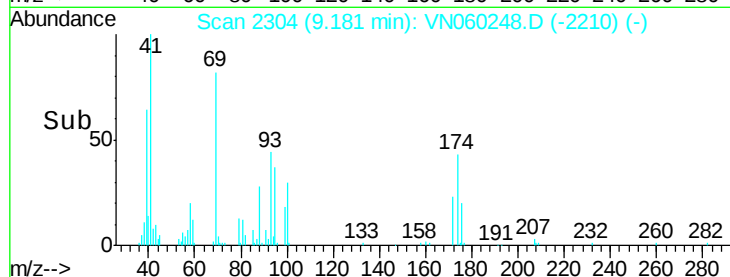
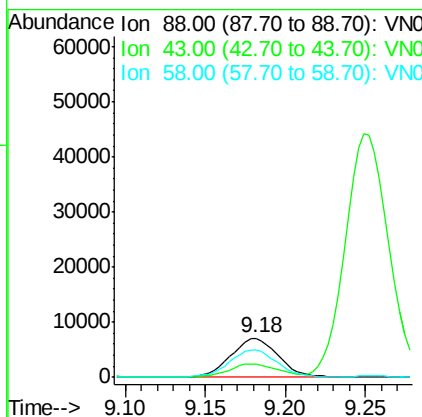
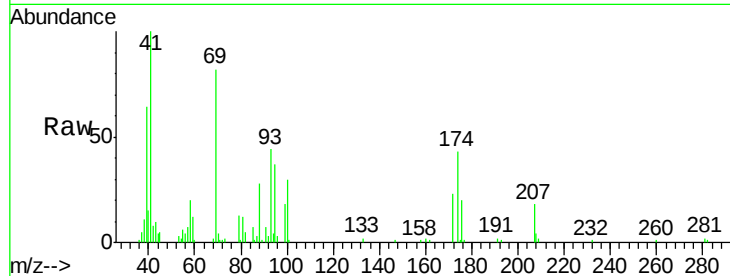
#49
1,4-Dioxane
Concen: 400.759 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	88	Resp	14339
Ion	Ratio	Lower	Upper
88	100		
43	36.0	26.2	39.2
58	70.7	53.2	79.8

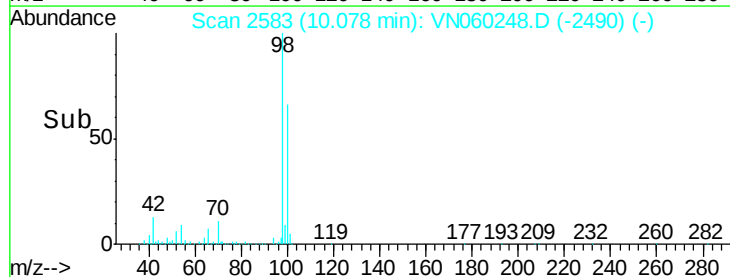
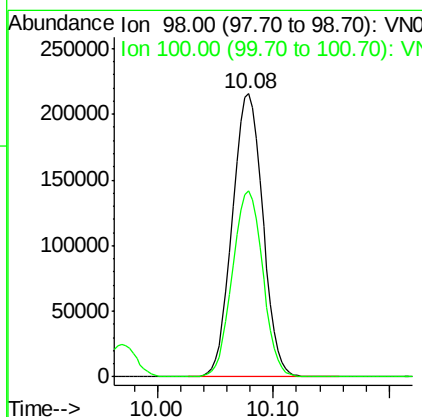
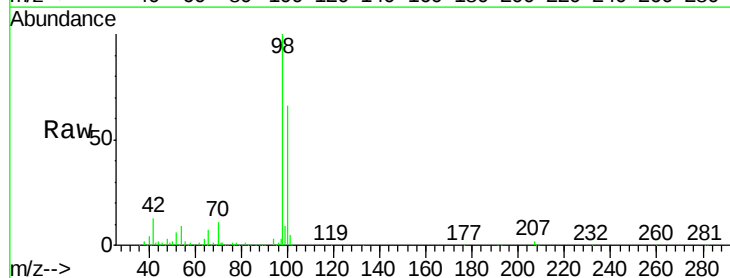
Manual Integrations
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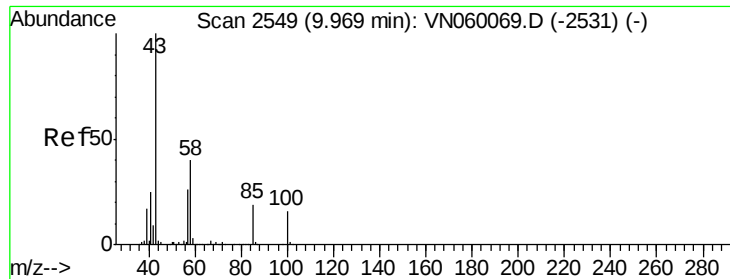
MMDadoda
2/27/2020 9:40:56 AM



#50
Toluene-d8
Concen: 49.713 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	98	Resp	392509
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 112.598 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 43 Resp: 304191

Ion Ratio Lower Upper

43 100

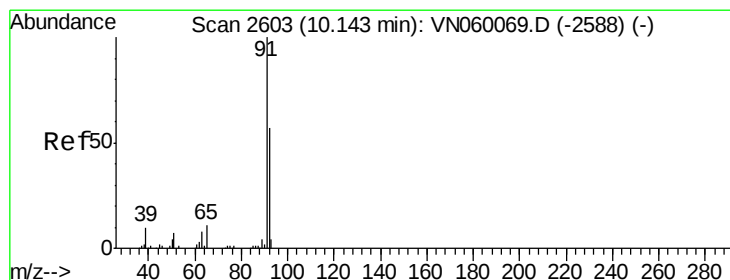
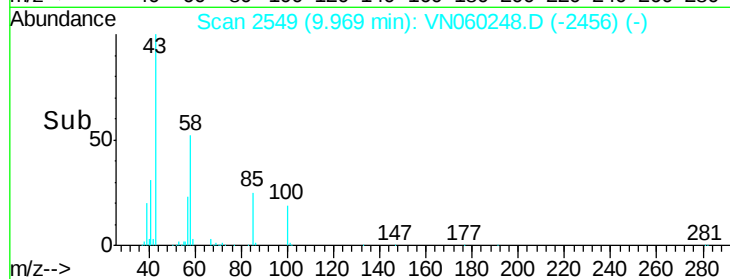
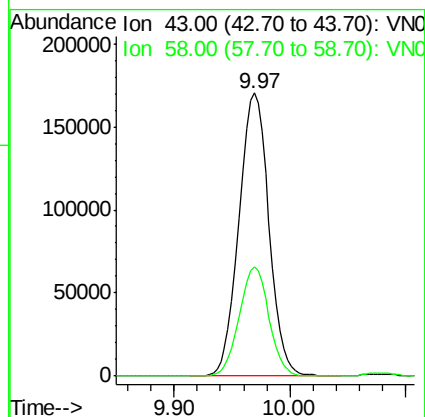
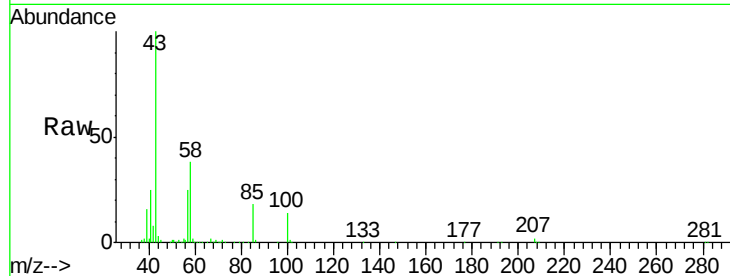
58 38.3 31.8 47.8

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#52

Toluene

Concen: 19.848 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060248.D

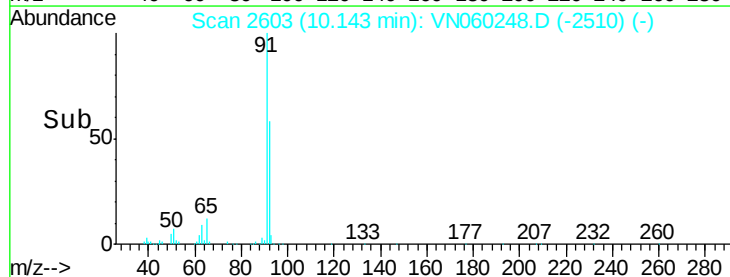
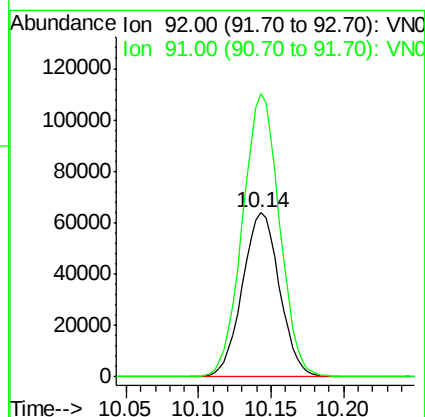
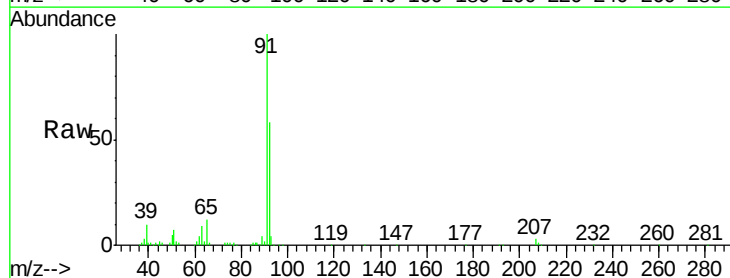
Acq: 26 Feb 2020 14:02

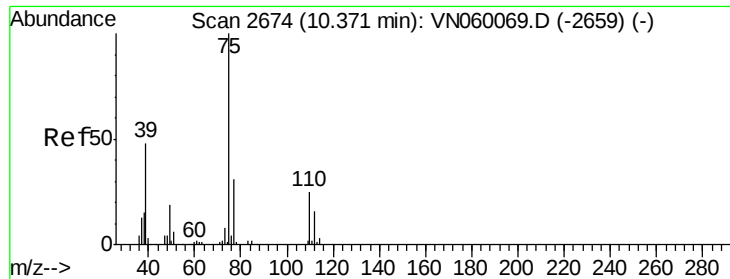
Tgt Ion: 92 Resp: 114066

Ion Ratio Lower Upper

92 100

91 171.6 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 20.875 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 75 Resp: 75109

Ion Ratio Lower Upper

75 100

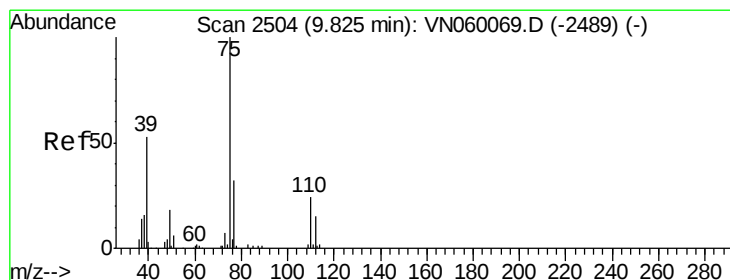
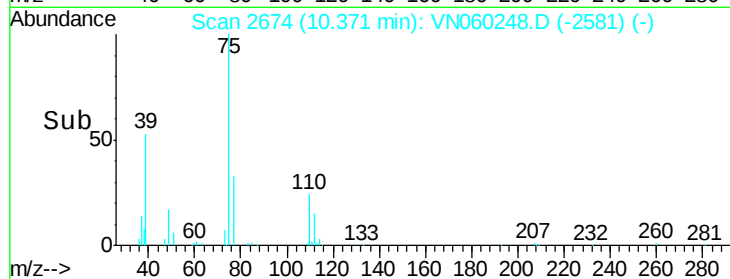
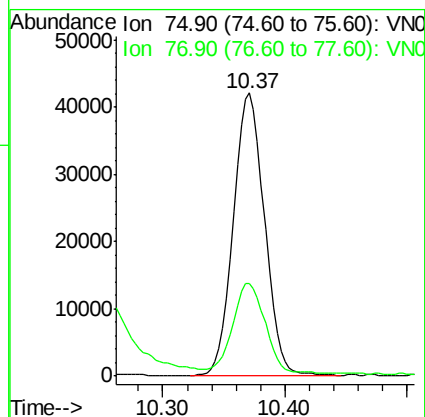
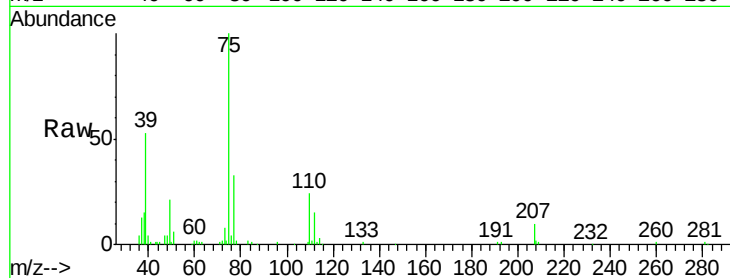
77 31.7 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.915 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

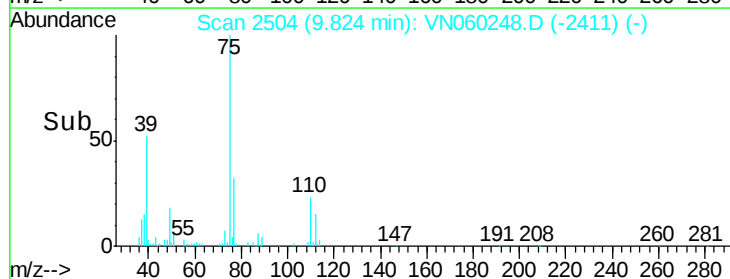
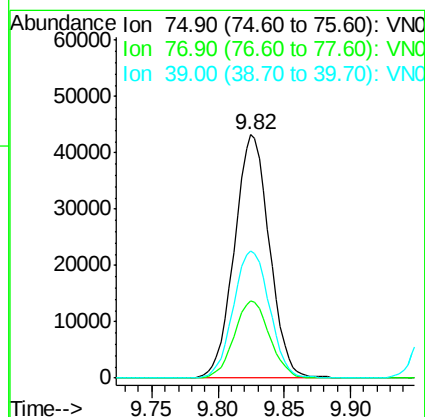
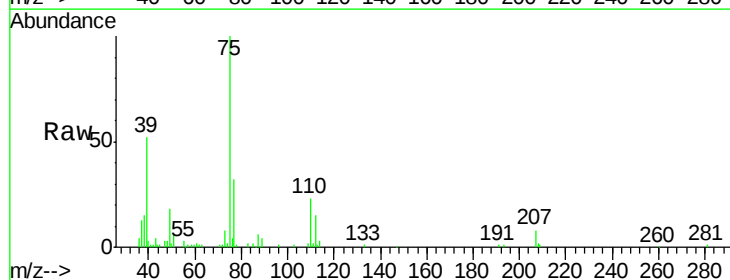
Tgt Ion: 75 Resp: 79242

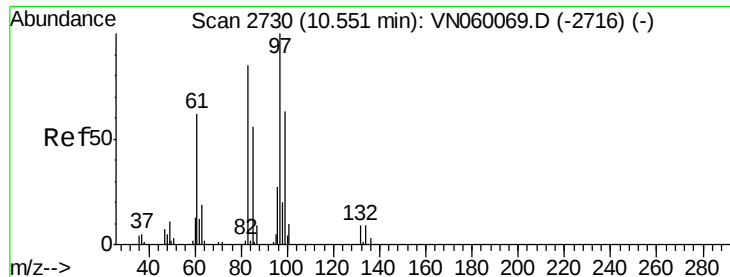
Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

39 52.2 42.2 63.4





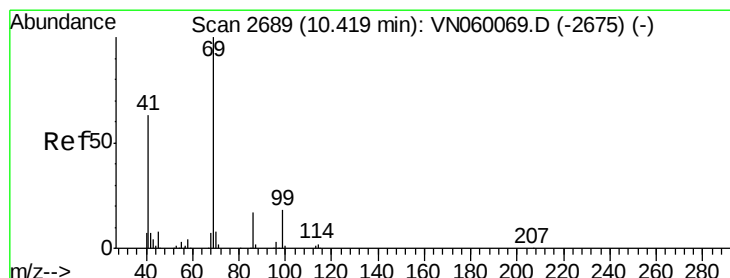
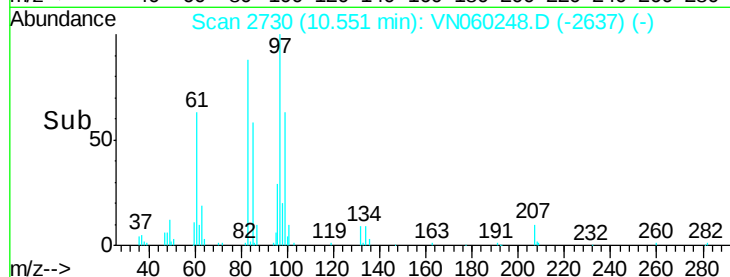
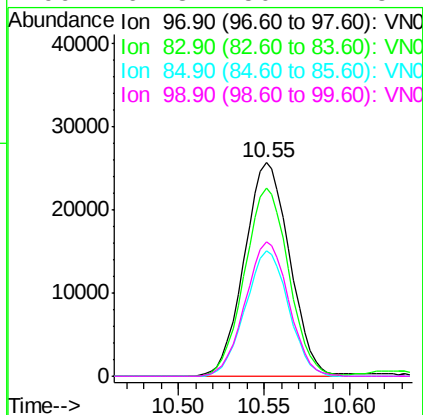
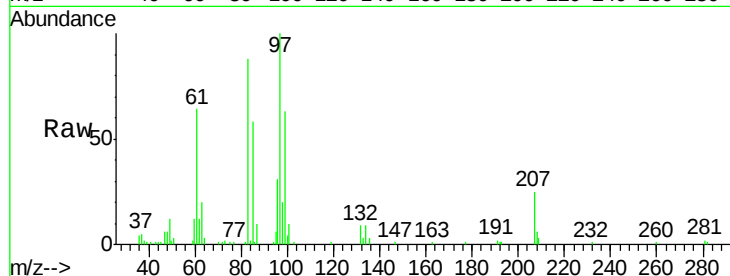
#55
 1,1,2-Trichloroethane
 Concen: 20.912 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion:	97	Resp:	46884
Ion	Ratio	Lower	Upper
97	100		
83	88.2	67.9	101.9
85	58.5	44.6	67.0
99	62.8	50.1	75.1

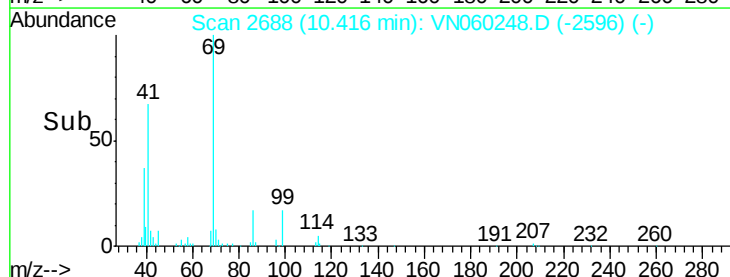
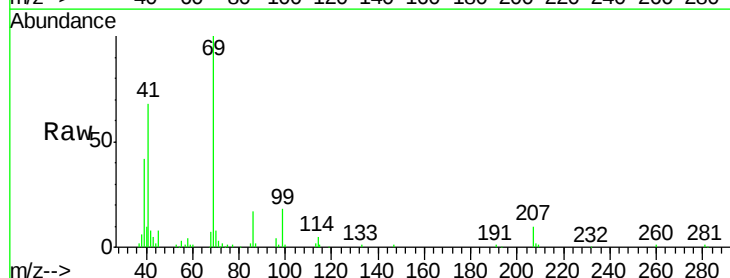
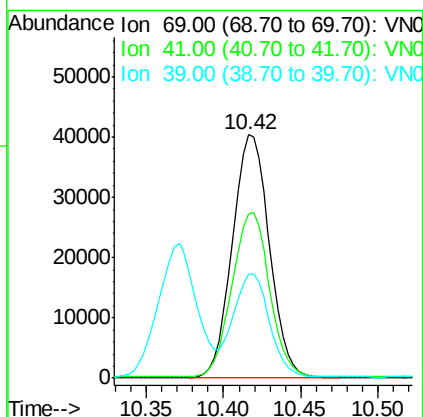
Manual Integrations
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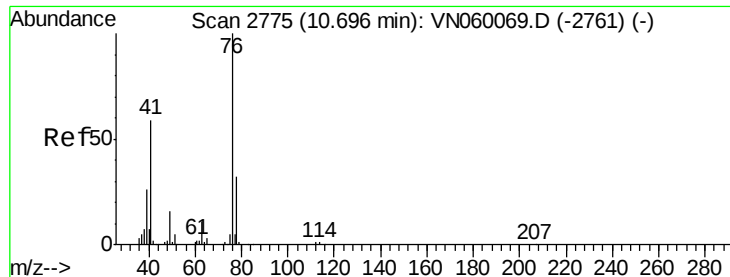
MMDadoda
 2/27/2020 9:40:56 AM



#56
 Ethyl methacrylate
 Concen: 21.203 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion:	69	Resp:	67246
Ion	Ratio	Lower	Upper
69	100		
41	68.3	51.1	76.7
39	40.9	33.8	50.8





#57

1,3-Dichloropropane

Concen: 20.592 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 76 Resp: 76178

Ion Ratio Lower Upper

76 100

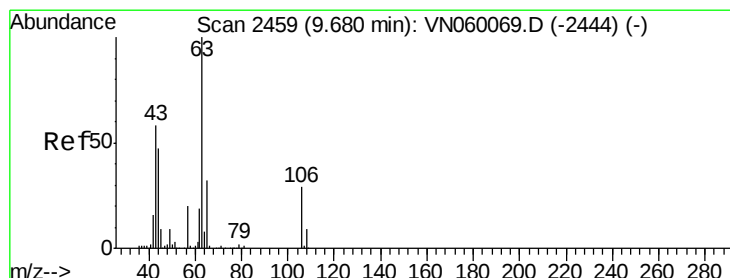
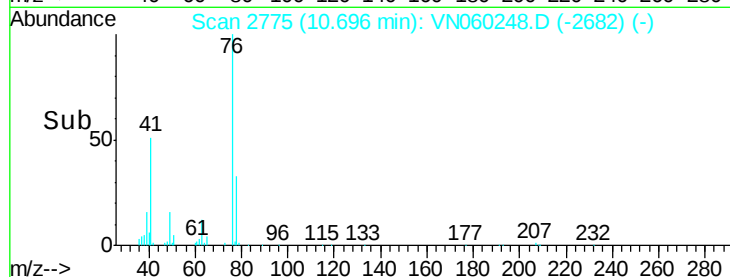
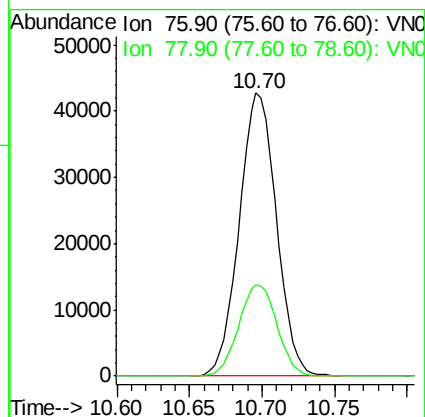
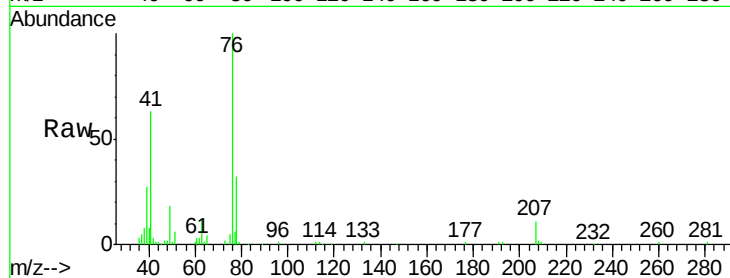
78 33.2 25.7 38.5

Manual Integrations

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2/27/2020 9:40:56 AM



#58

2-Chloroethyl Vinyl ether

Concen: 113.373 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060248.D

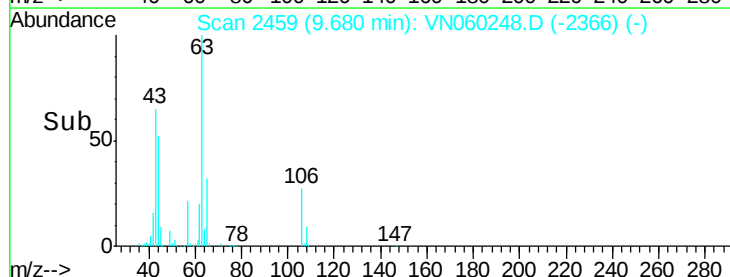
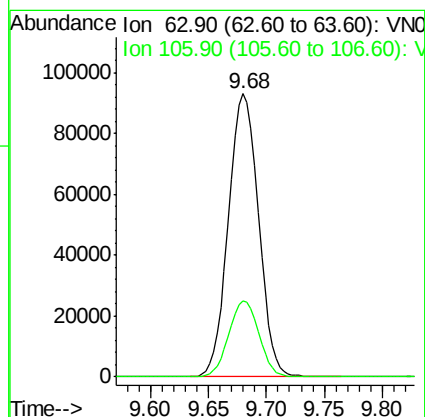
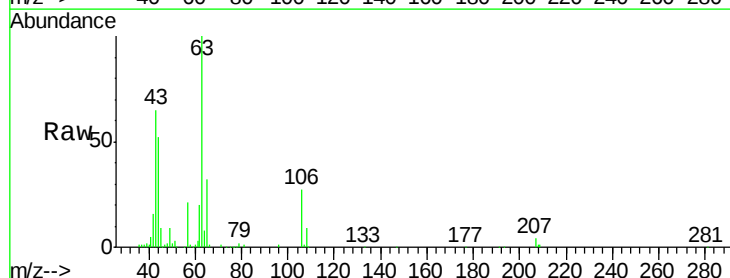
Acq: 26 Feb 2020 14:02

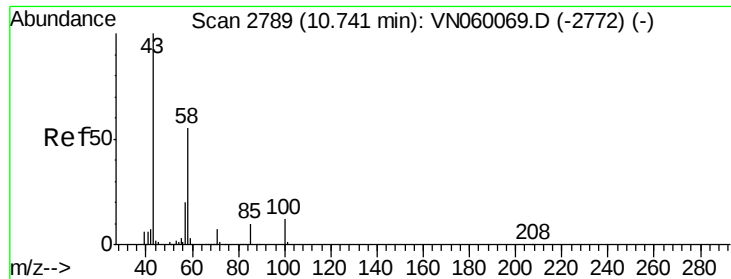
Tgt Ion: 63 Resp: 167513

Ion Ratio Lower Upper

63 100

106 26.8 22.9 34.3





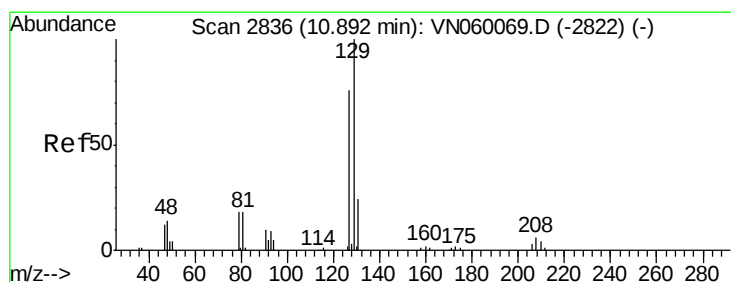
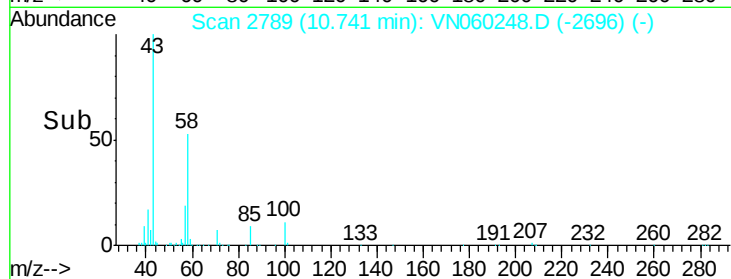
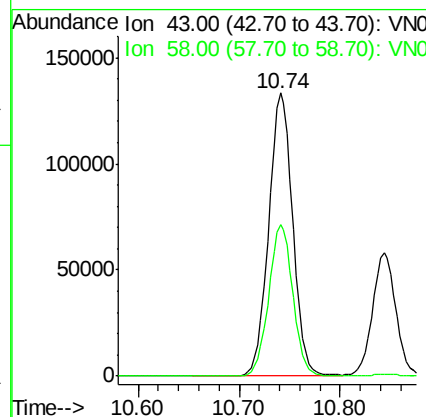
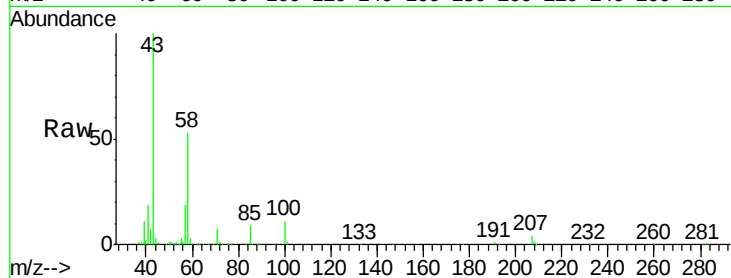
#59
2-Hexanone
Concen: 105.411 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	27.5	82.4

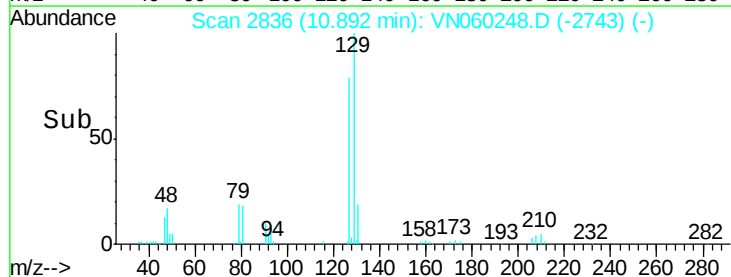
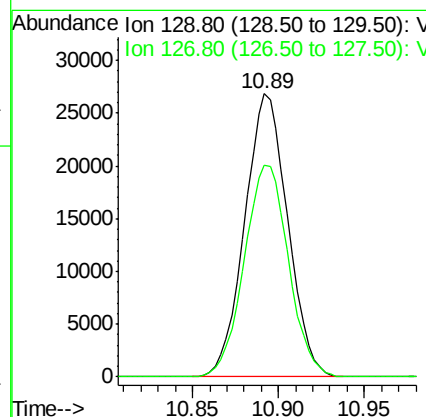
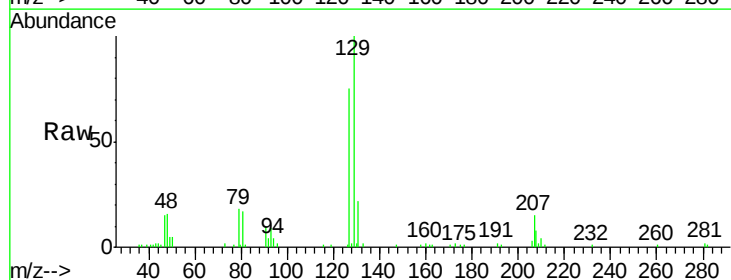
Manual Integrations
APPROVED

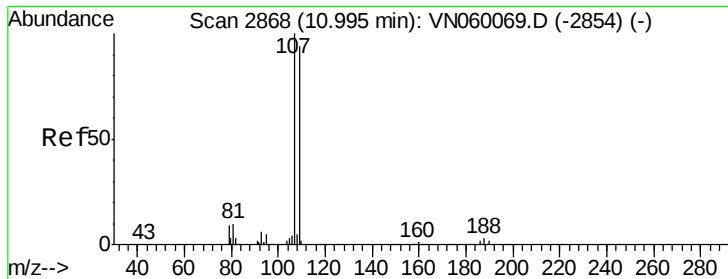
MMDadoda
2/27/2020 9:40:56 AM



#60
Dibromochloromethane
Concen: 18.113 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.0	114.1





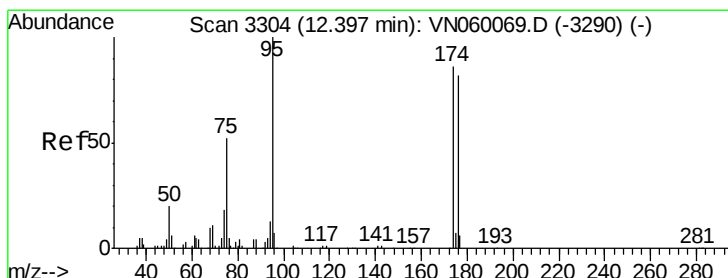
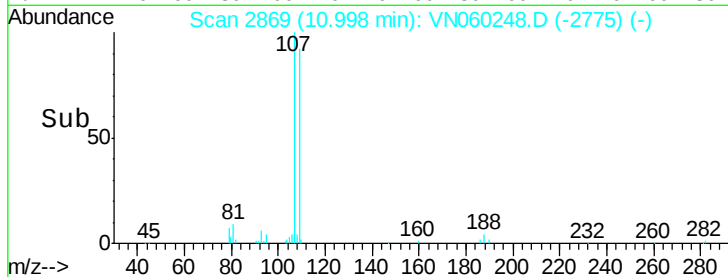
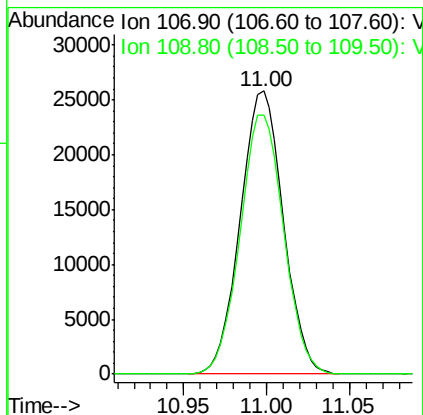
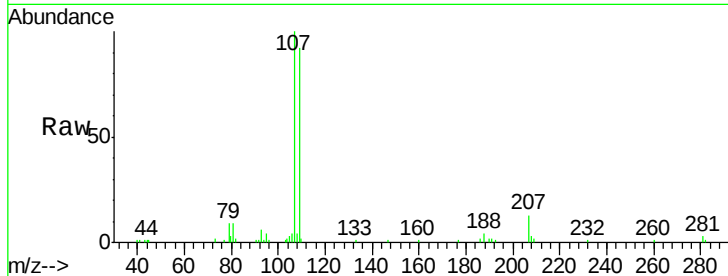
#61
 1,2-Dibromoethane
 Concen: 19.784 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion:107 Resp: 46497
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.4 113.0

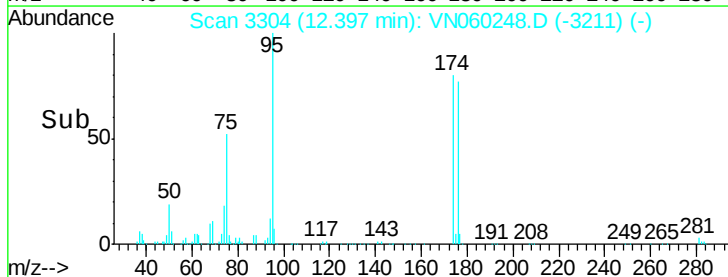
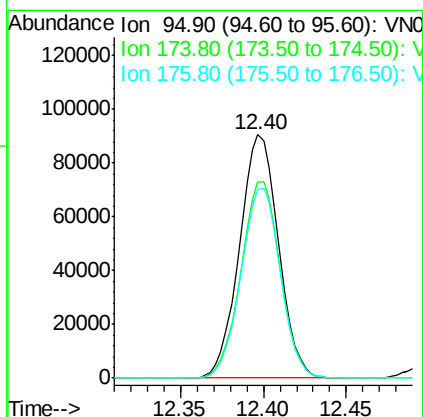
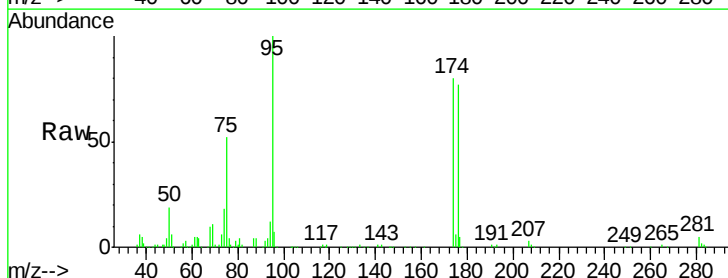
Manual Integrations
 APPROVED

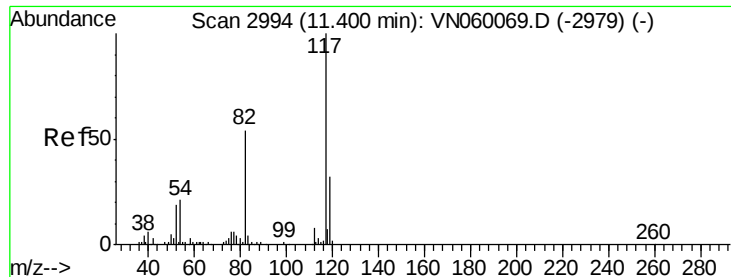
MMDadoda
 2/27/2020 9:40:56 AM



#62
 4-Bromofluorobenzene
 Concen: 51.013 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion: 95 Resp: 148000
 Ion Ratio Lower Upper
 95 100
 174 81.5 0.0 169.8
 176 78.9 0.0 164.8





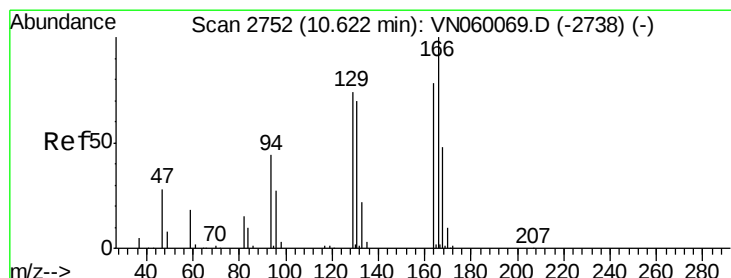
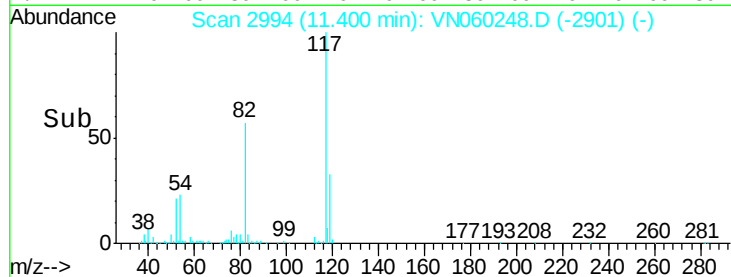
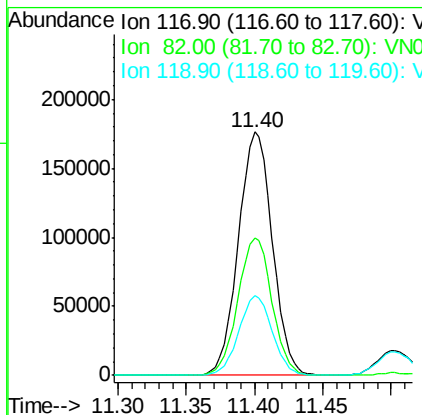
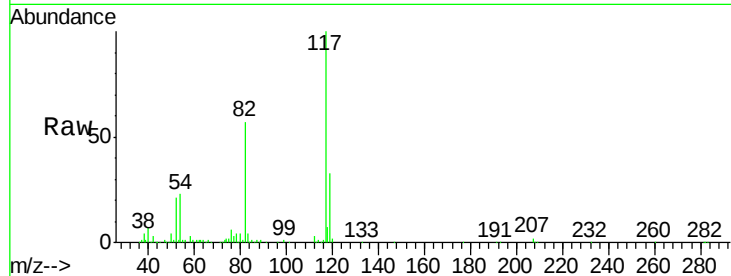
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	305252		
82	56.6	43.4	65.0	
119	32.7	25.8	38.6	

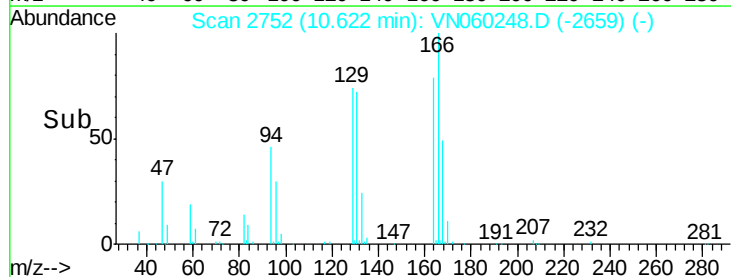
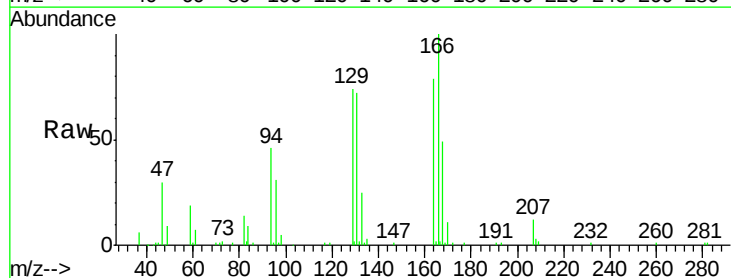
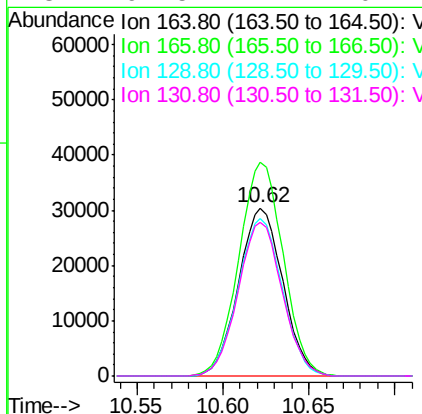
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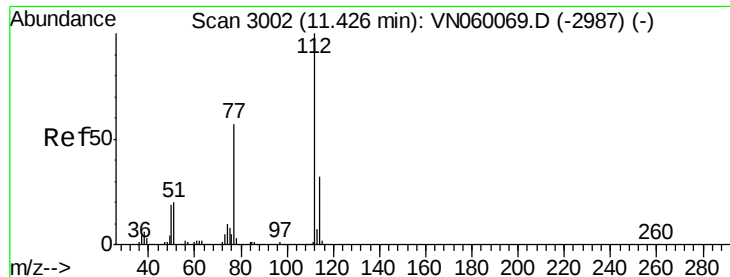
MMDadoda
2/27/2020 9:40:56 AM



#64
Tetrachloroethene
Concen: 23.358 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54203		
166	126.9	101.9	152.9	
129	93.9	75.4	113.0	
131	91.5	71.4	107.2	





#65

Chlorobenzene

Concen: 19.293 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion:112 Resp: 119986

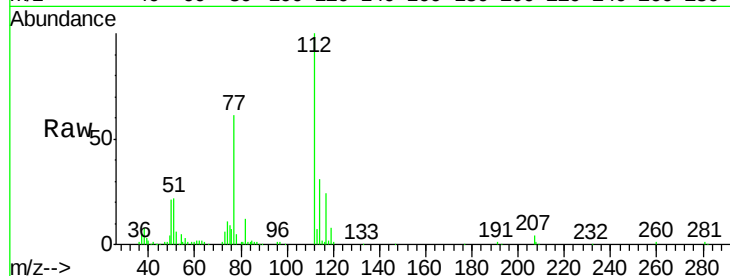
Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.0

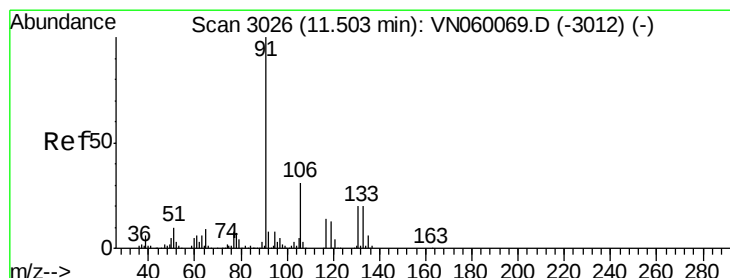
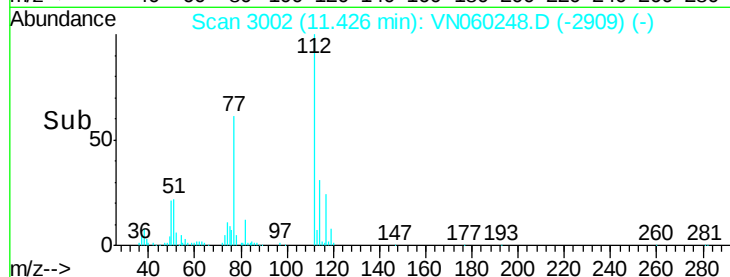
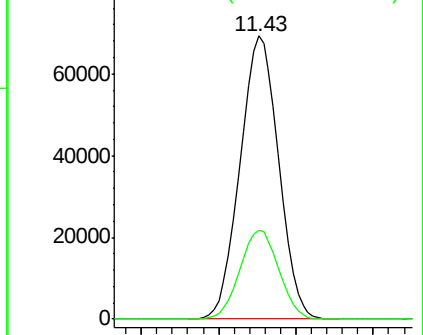
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.105 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

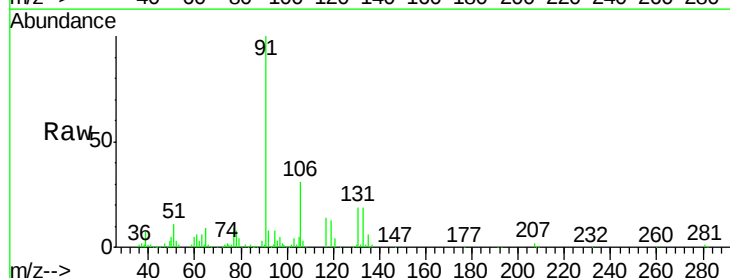
Tgt Ion:131 Resp: 44947

Ion Ratio Lower Upper

131 100

133 97.2 47.9 143.7

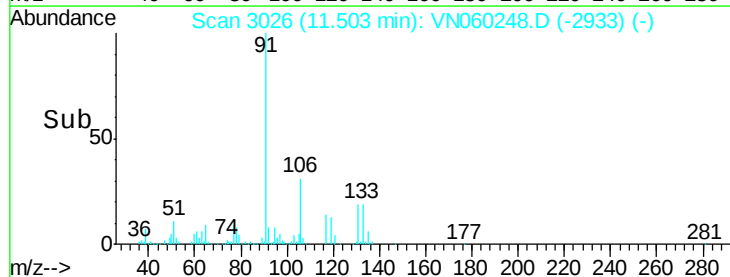
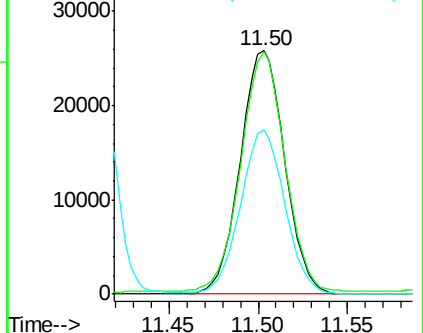
119 67.3 32.6 97.7

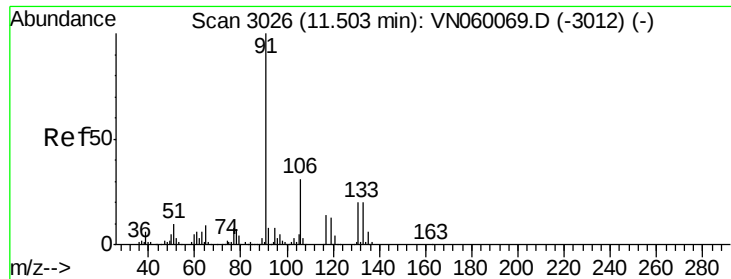


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





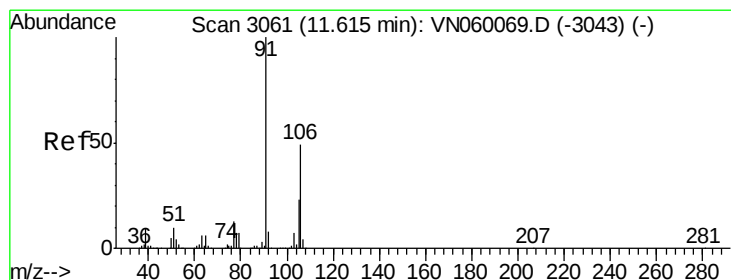
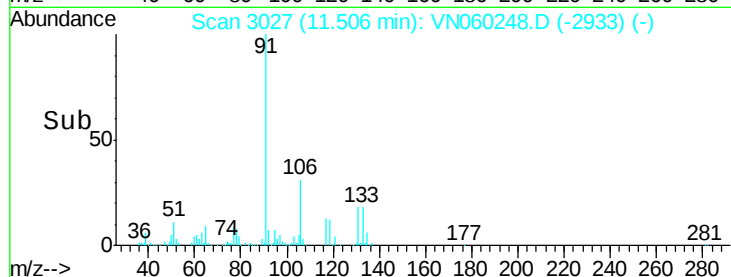
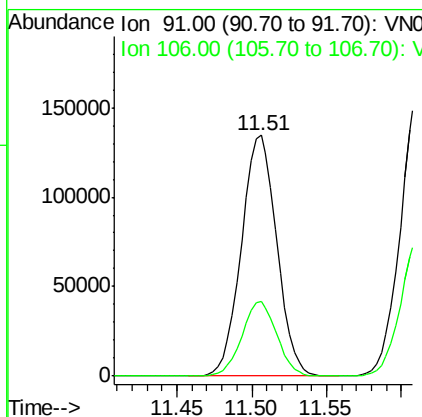
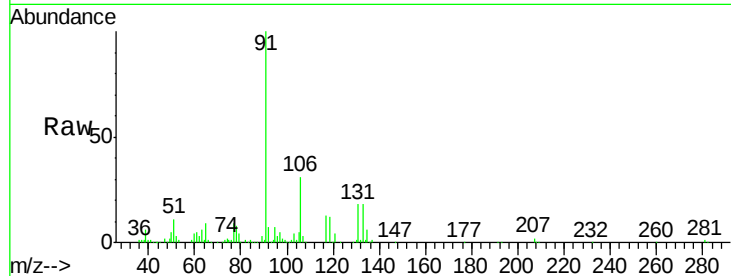
#67
Ethyl Benzene
Concen: 19.715 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampled :
VN0226WBSD01

Tot Ion: 91 Resp: 221134
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7

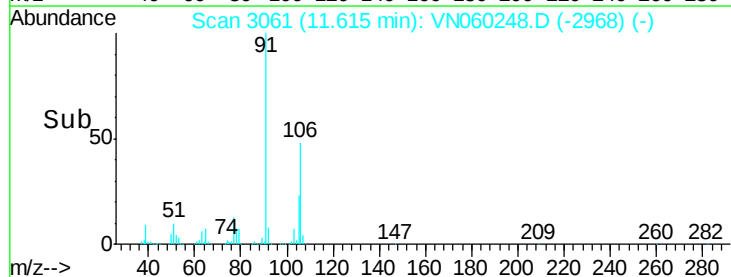
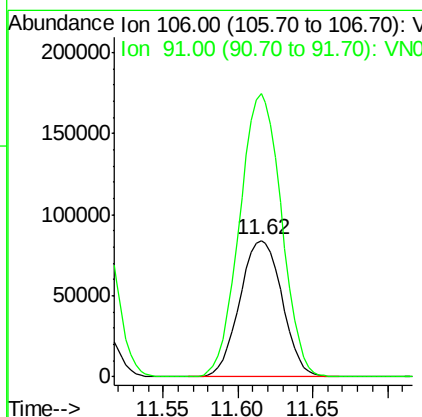
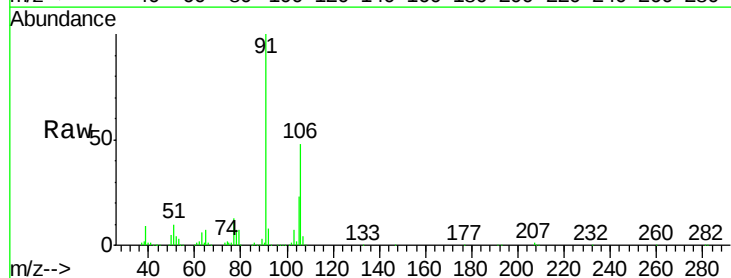
Manual Integrations
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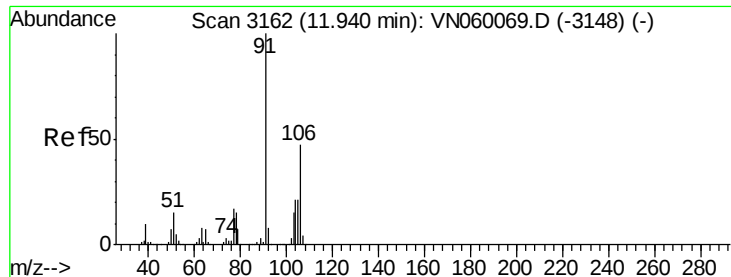
MMDadoda
2/27/2020 9:40:56 AM



#68
m/p-Xylenes
Concen: 39.449 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion: 106 Resp: 166071
Ion Ratio Lower Upper
106 100
91 205.0 162.7 244.1





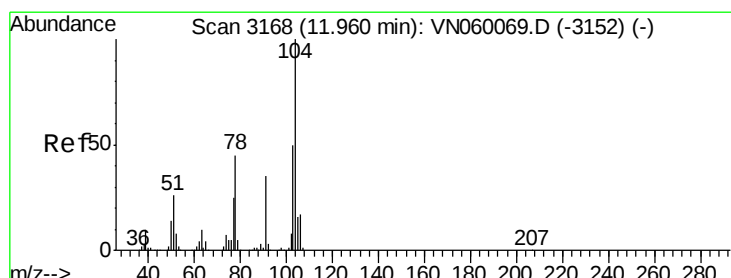
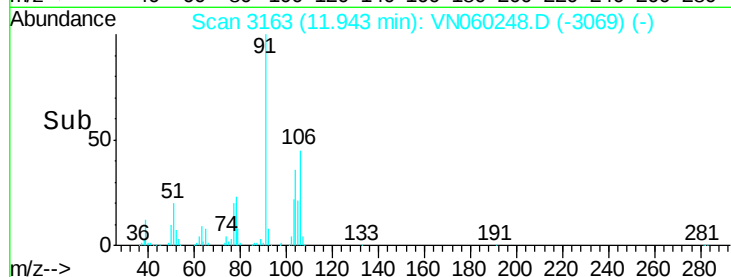
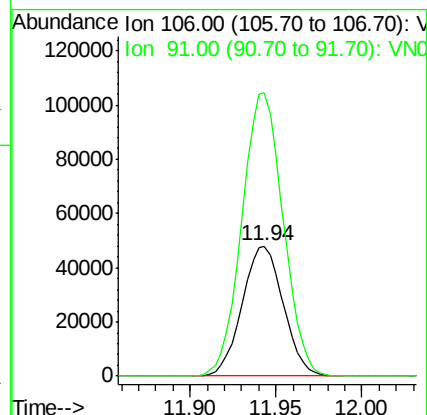
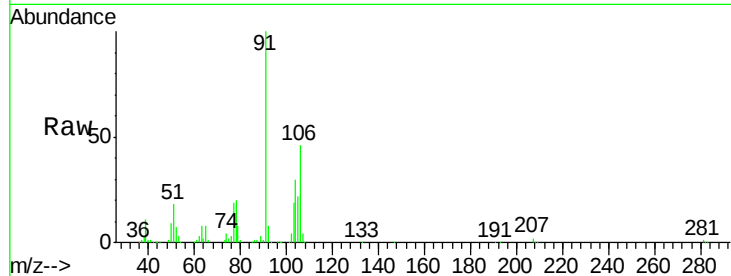
#69
o-Xylene
Concen: 19.665 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion:106 Resp: 79710
Ion Ratio Lower Upper
106 100
91 218.6 107.2 321.6

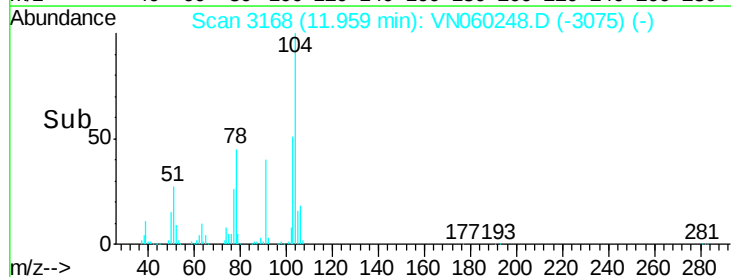
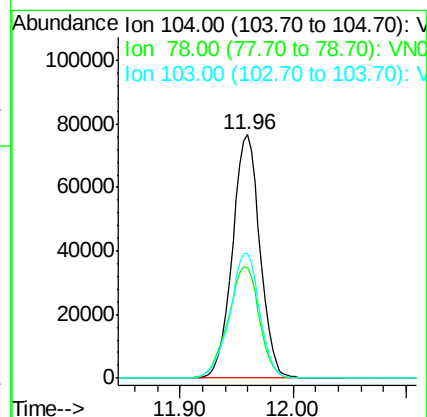
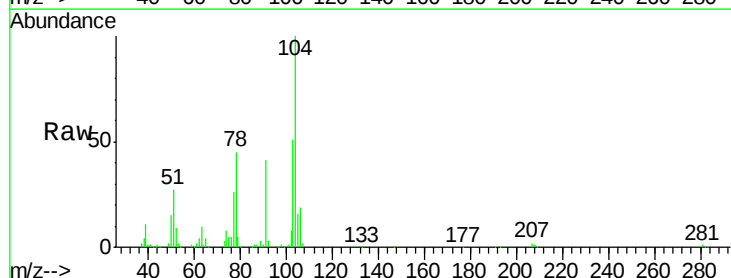
Manual Integrations
APPROVED

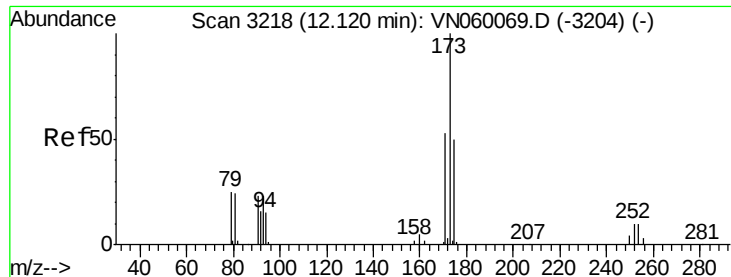
MMDadoda
2/27/2020 9:40:56 AM



#70
Styrene
Concen: 19.866 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion:104 Resp: 129852
Ion Ratio Lower Upper
104 100
78 51.7 40.2 60.2
103 55.8 44.3 66.5





#71

Bromoform

Concen: 17.002 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

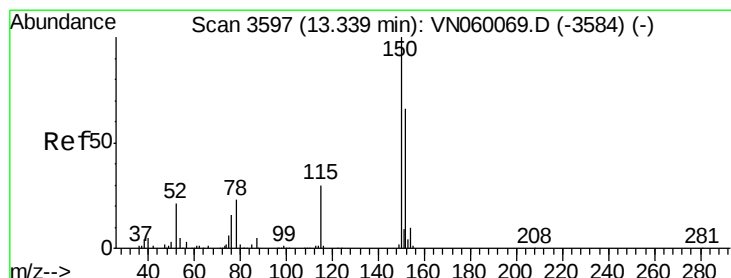
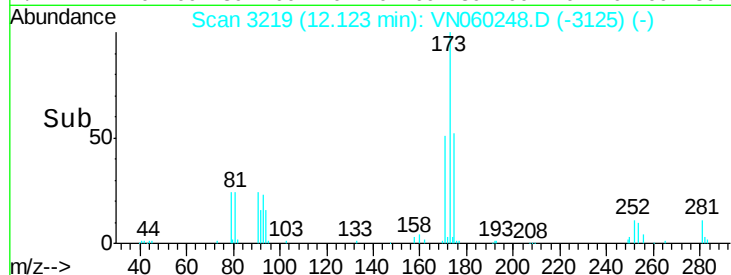
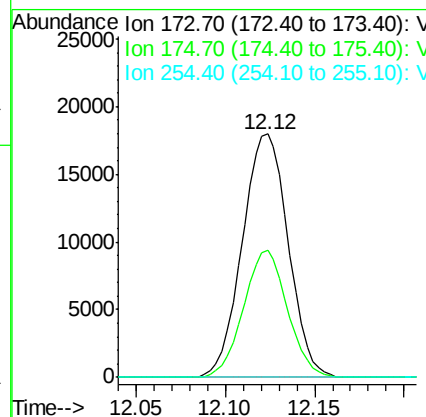
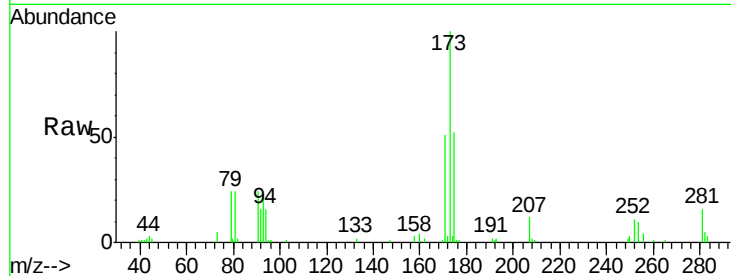
ClientSampleId :

VN0226WBSD01

Tot Ion:	173	Resp:	32173
Ion Ratio	Lower	Upper	
173	100		
175	50.0	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

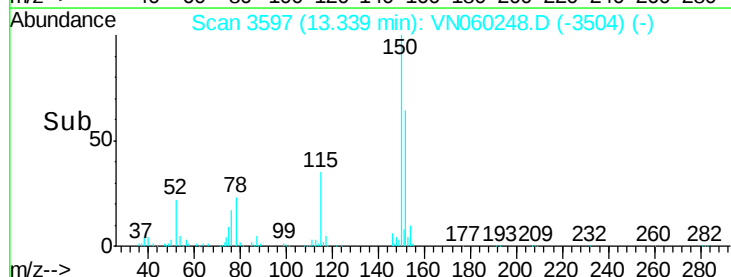
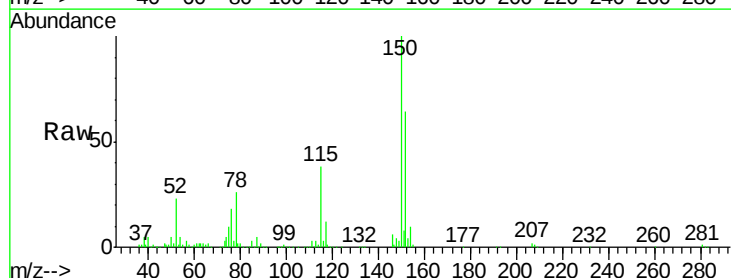
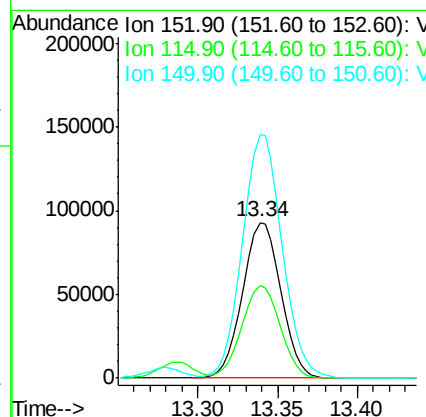
RT: 13.34 min Scan# 3597

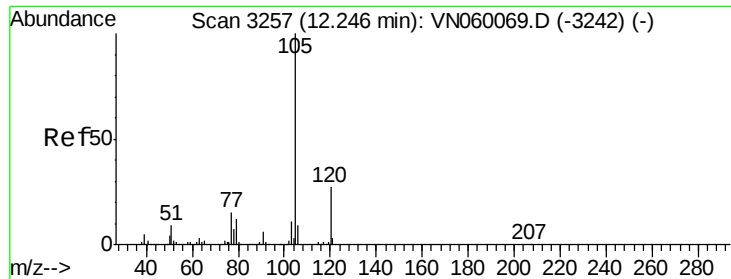
Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion:	152	Resp:	151283
Ion Ratio	Lower	Upper	
152	100		
115	59.7	28.9	86.8
150	162.6	0.0	342.4





#73

Isopropylbenzene

Concen: 19.011 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBSD01

Tot Ion: 105 Resp: 214765

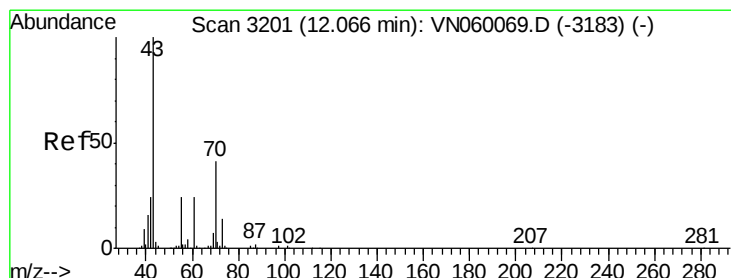
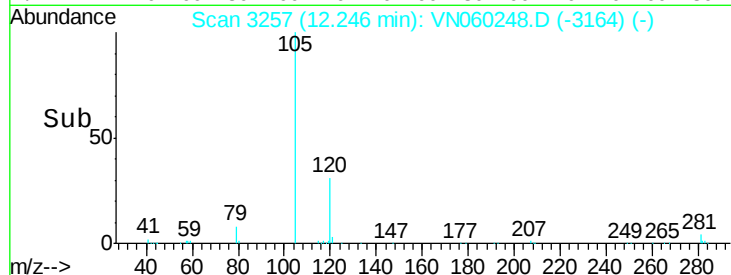
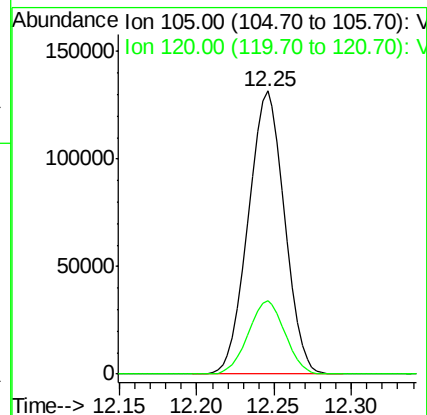
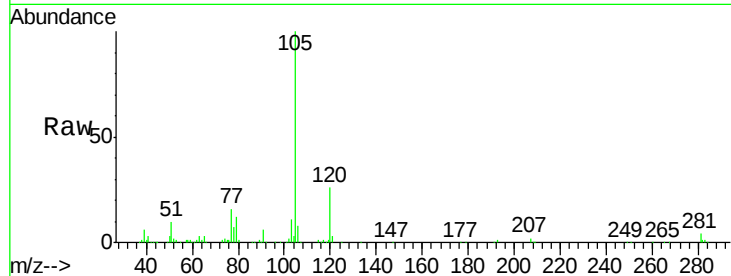
Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8

Manual Integrations
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2/27/2020 9:40:56 AM



#74

N-ethyl acetate

Concen: 23.205 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion: 43 Resp: 94530

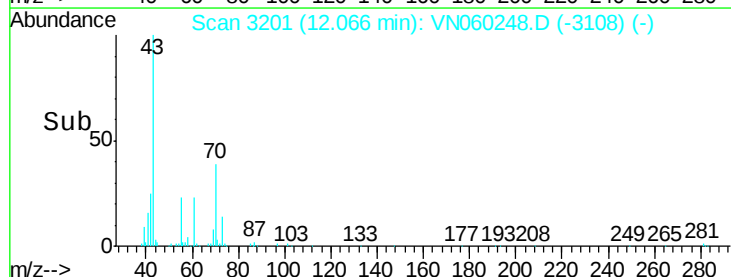
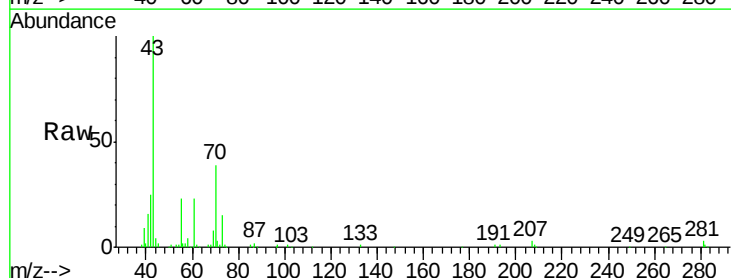
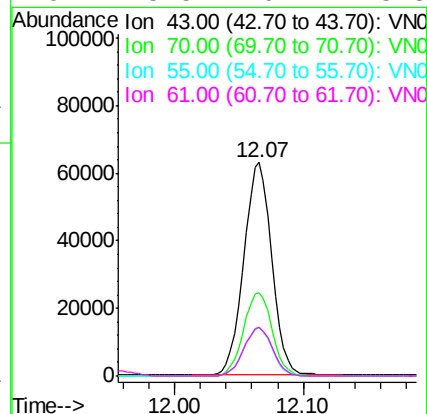
Ion Ratio Lower Upper

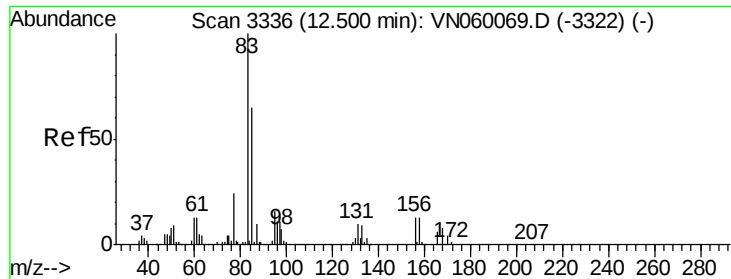
43 100

70 40.2 33.4 50.0

55 23.3 18.8 28.2

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.404 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

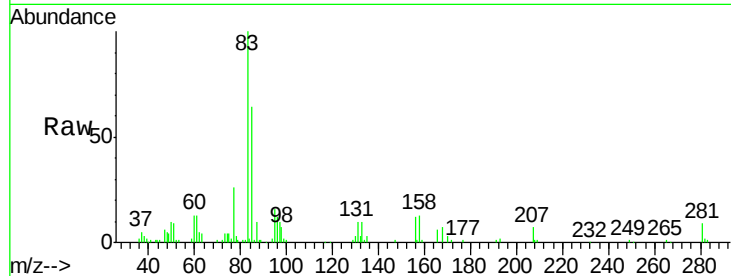
ClientSampleId :

VN0226WBSD01

Tot Ion:	83	Resp:	59844
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	63.6	32.3	96.9

Manual Integrations
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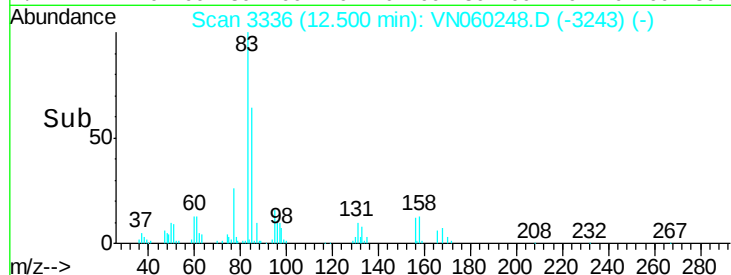


Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060069.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-3322) (-)

Time-->

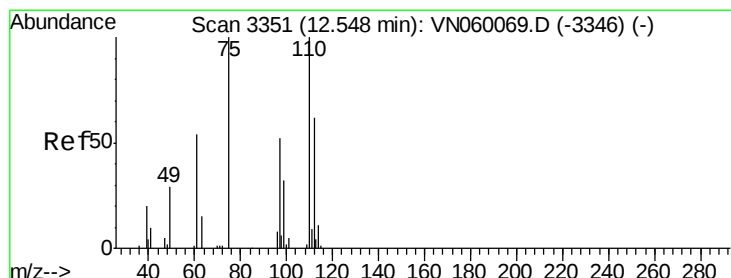


Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060069.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.135 ug/l m

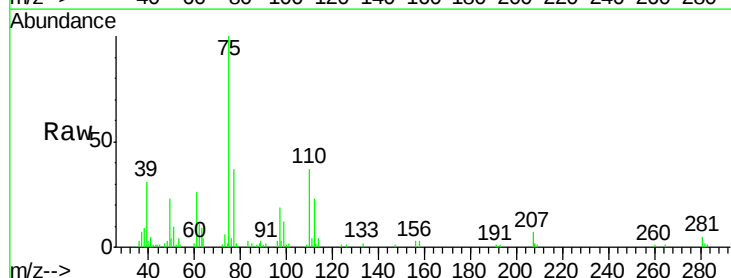
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

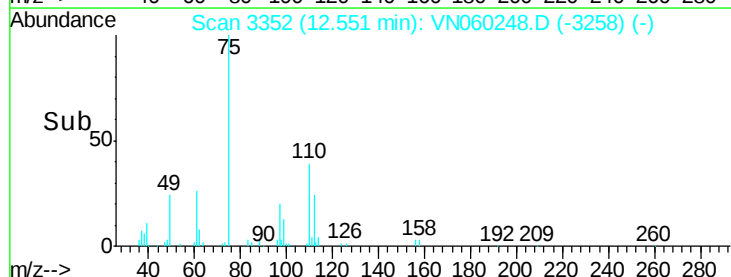
Tgt Ion:	75	Resp:	61172
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3346) (-)

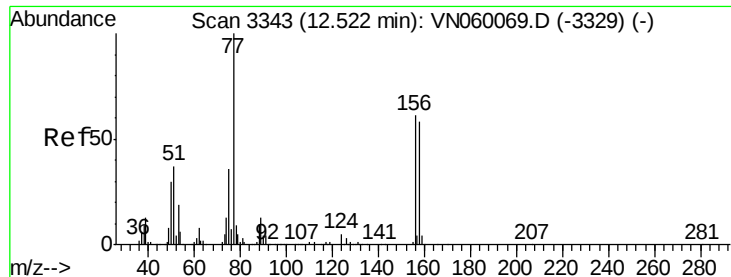
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3346) (-)

Time-->



#77

Bromobenzene

Concen: 18.472 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

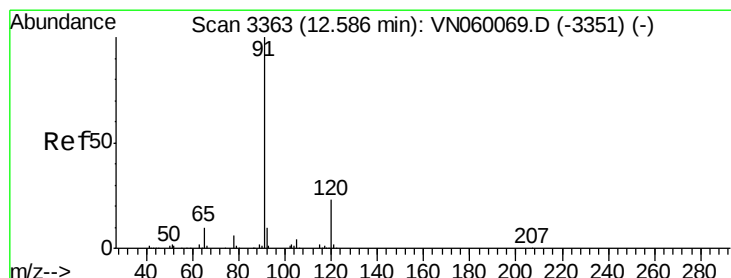
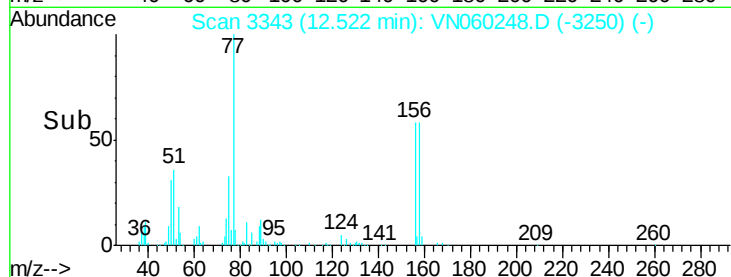
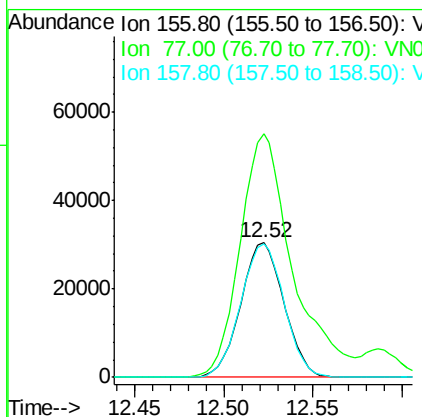
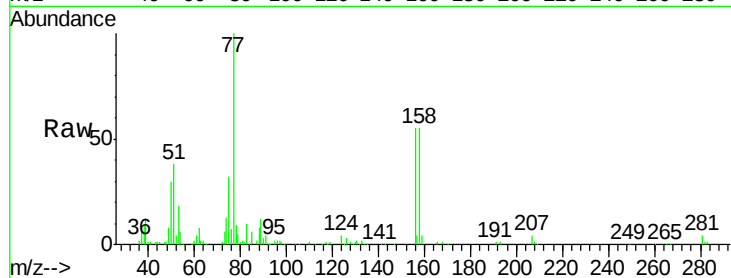
ClientSampleId :

VN0226WBSD01

Tot Ion:	156	Resp:	51787
Ion Ratio	Lower	Upper	
156	100		
77	219.5	98.7	296.1
158	99.9	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.608 ug/l

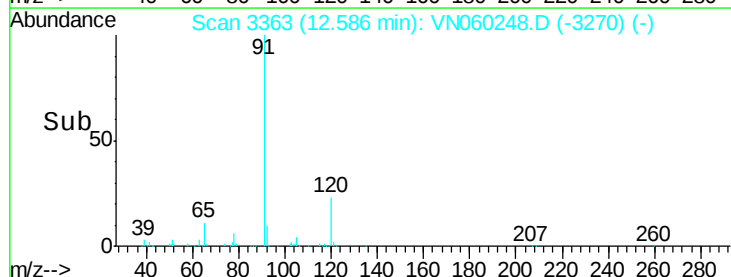
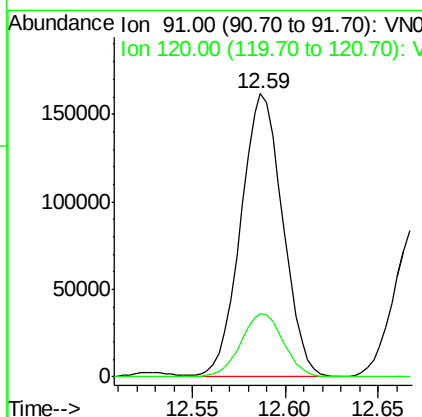
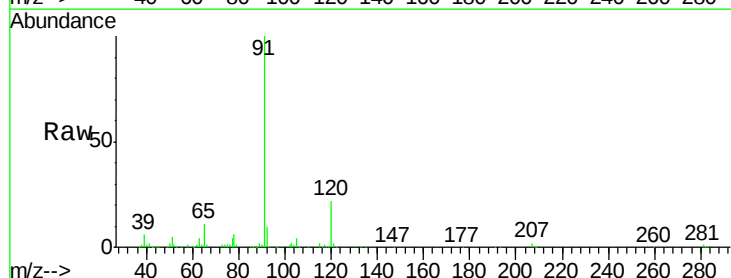
RT: 12.59 min Scan# 3363

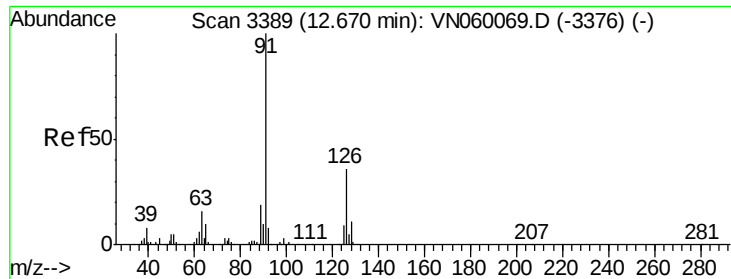
Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion:	91	Resp:	252378
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.339 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

ClientSampled :

VN0226WBSD01

Tot Ion: 91 Resp: 146306

Ion Ratio Lower Upper

91 100

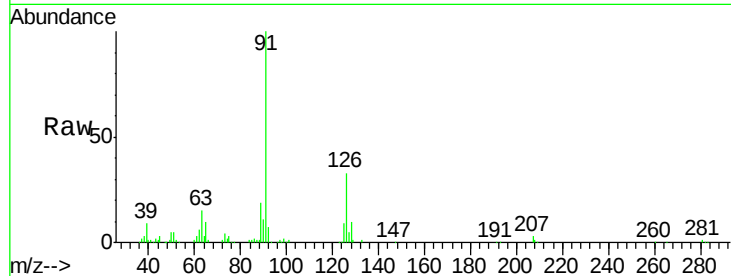
126 33.0 17.4 52.2

Manual Integrations

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2/27/2020 9:40:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)

150000

100000

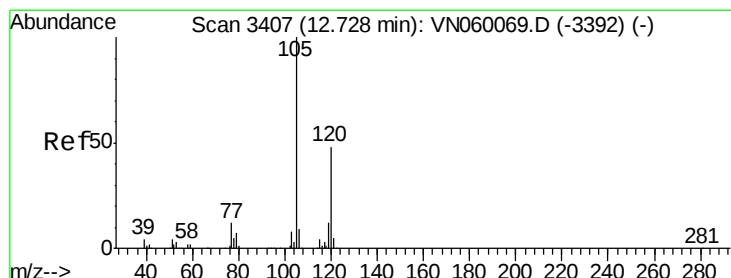
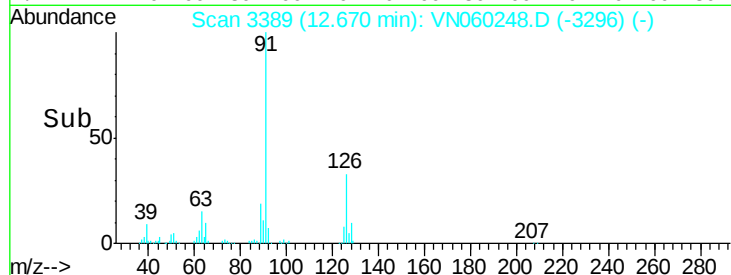
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.573 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060248.D

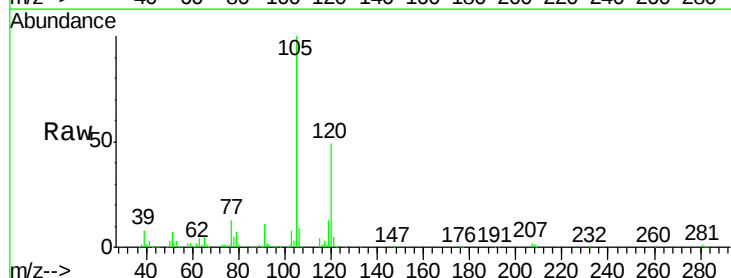
Acq: 26 Feb 2020 14:02

Tgt Ion: 105 Resp: 183846

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

100000

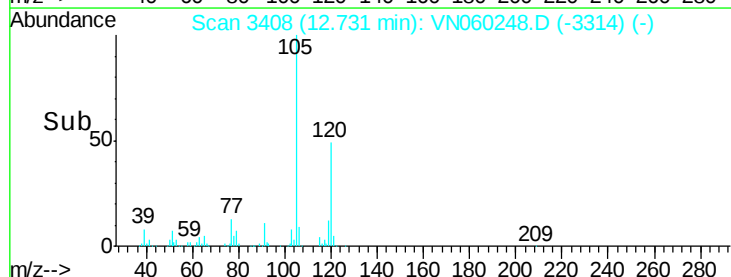
50000

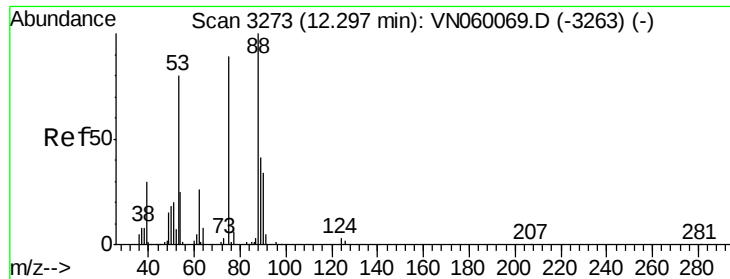
0

12.65 12.70 12.75 12.80

12.73

Time-->





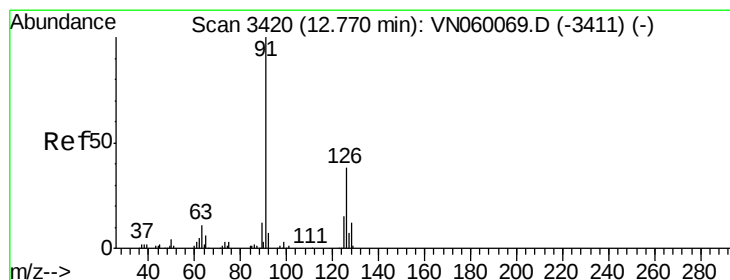
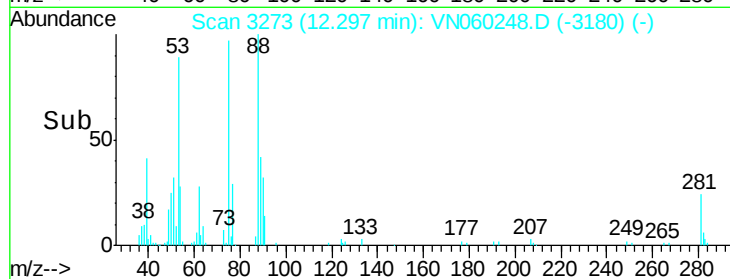
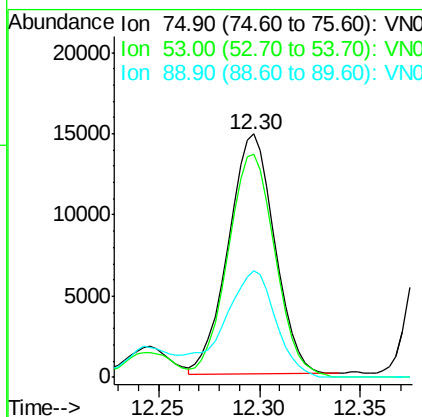
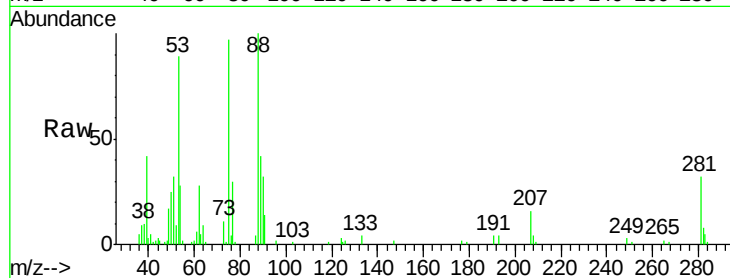
#81
trans-1,4-Dichloro-2-butene
Concen: 20.051 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	73.9	110.9
89	47.8	37.0	55.4

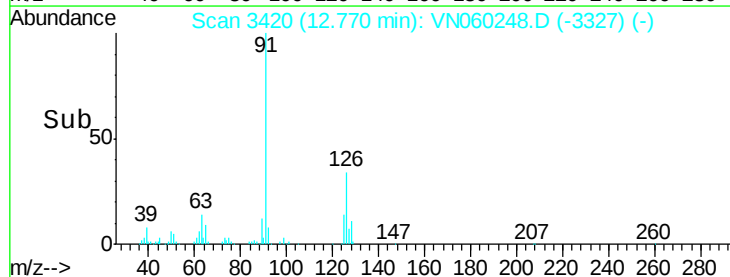
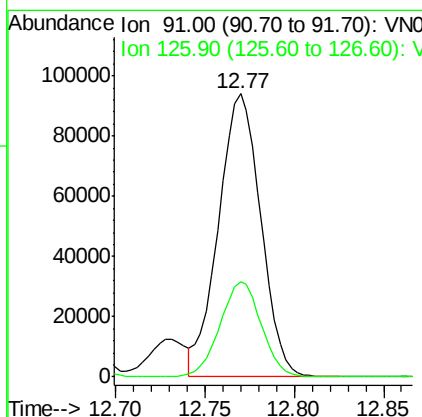
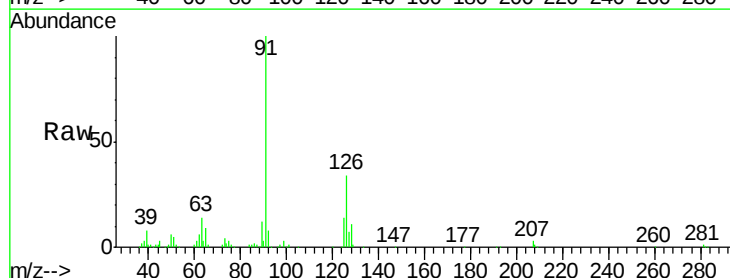
Manual Integrations
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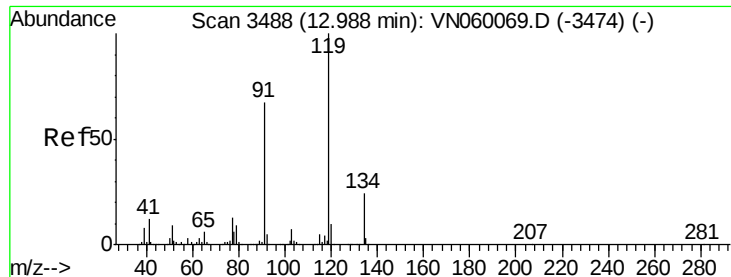
MMDadoda
2/27/2020 9:40:56 AM



#82
4-Chlorotoluene
Concen: 19.927 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	17.1	51.3





#83

tert-Butylbenzene

Concen: 18.649 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

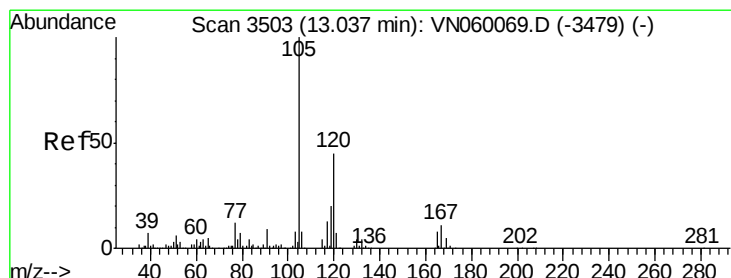
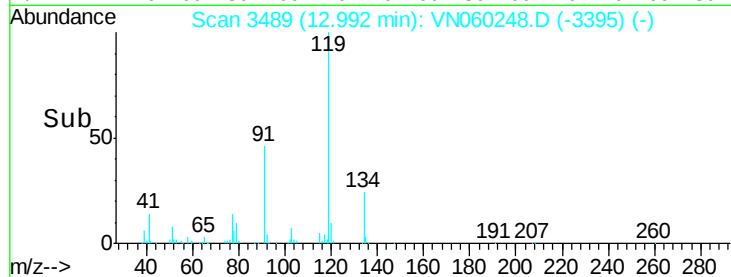
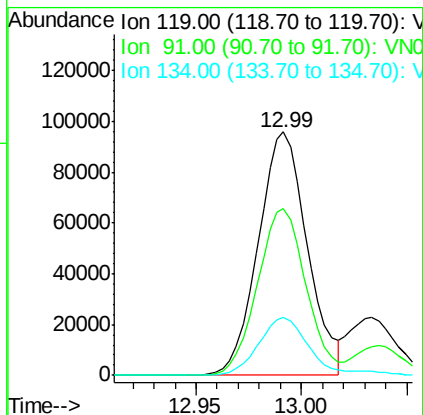
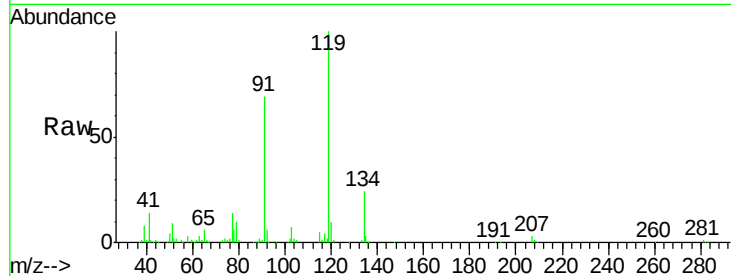
ClientSampleId :

VN0226WBSD01

Tot Ion:	119	Resp:	154961
Ion Ratio	Lower	Upper	
119	100		
91	67.5	32.7	98.1
134	24.9	12.9	38.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.711 ug/l

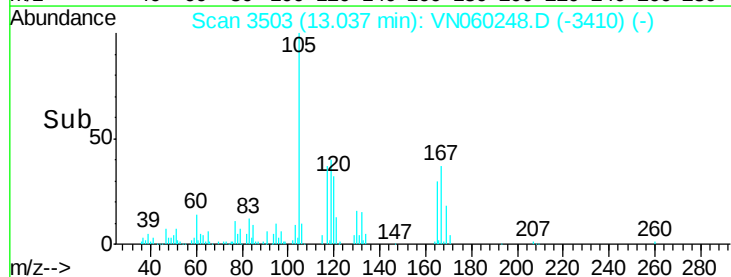
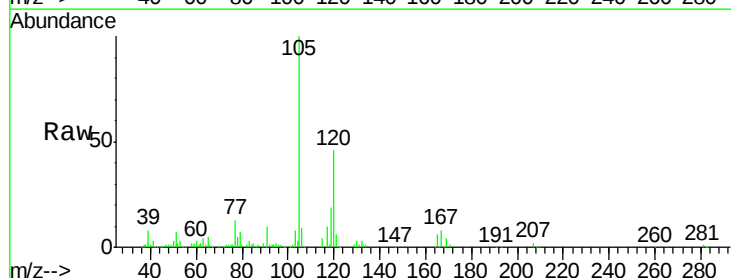
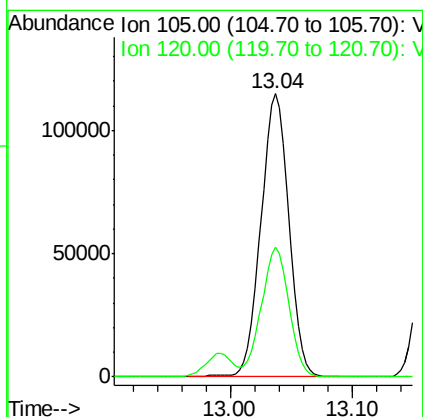
RT: 13.04 min Scan# 3503

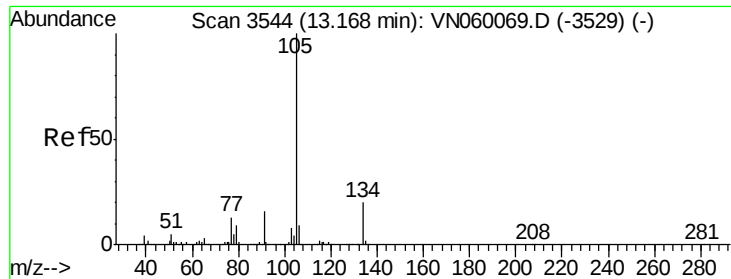
Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion:	105	Resp:	182765
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.4	67.3





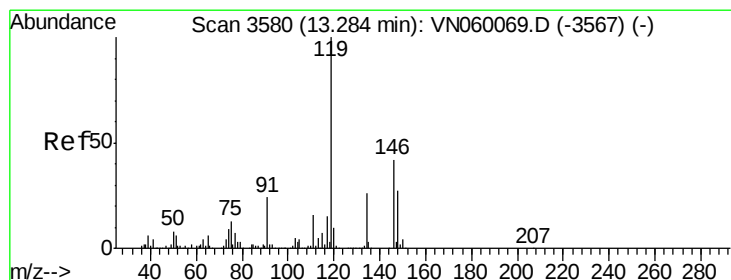
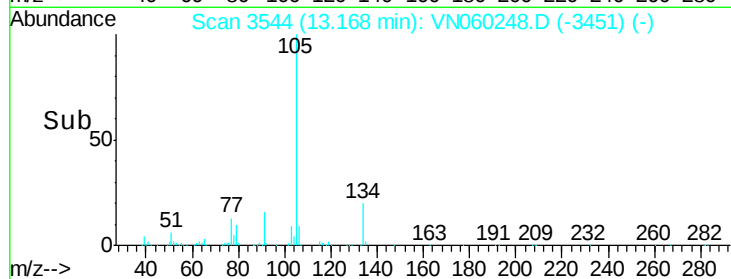
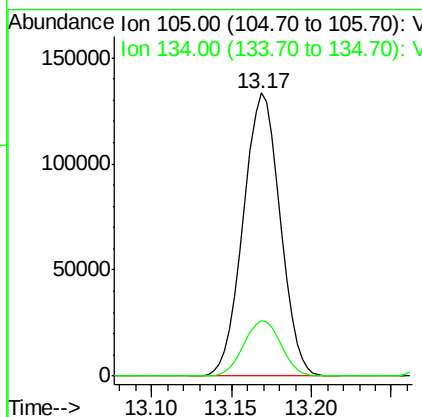
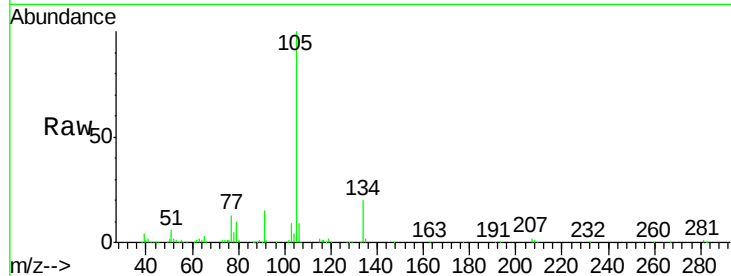
#85
 sec-Butylbenzene
 Concen: 19.106 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

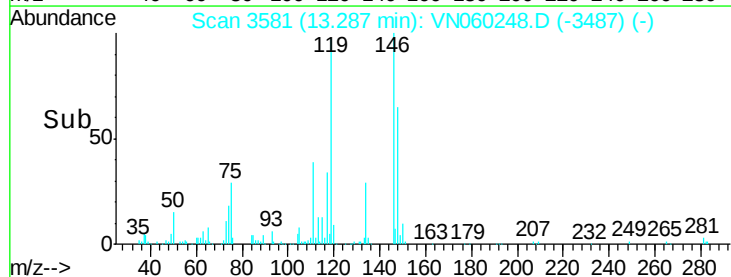
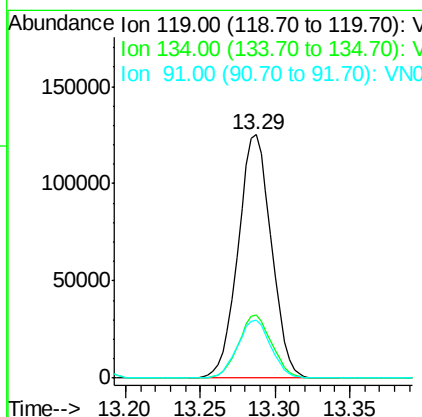
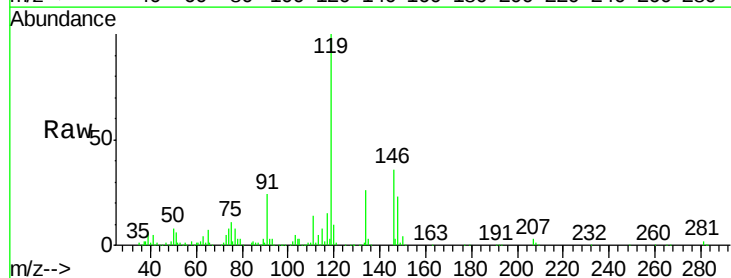
Manual Integrations
 APPROVED

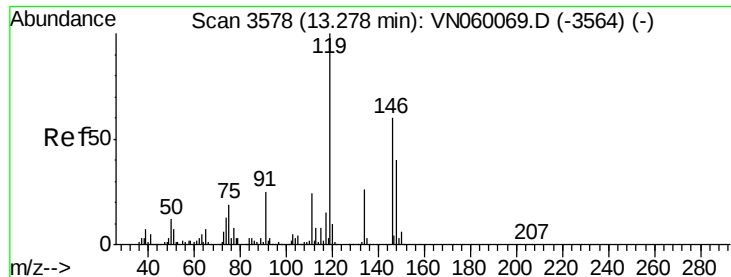
MMDadoda
 2/27/2020 9:40:56 AM



#86
 p-Isopropyltoluene
 Concen: 19.354 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.3	39.8
91	24.1	11.9	35.9





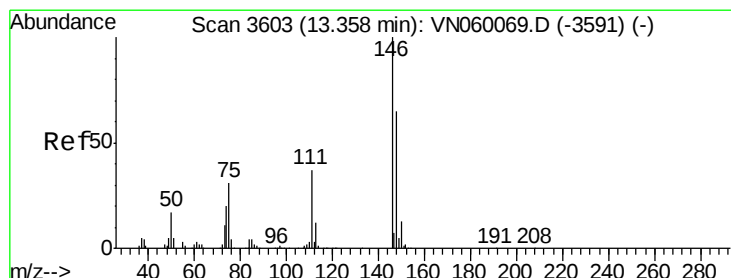
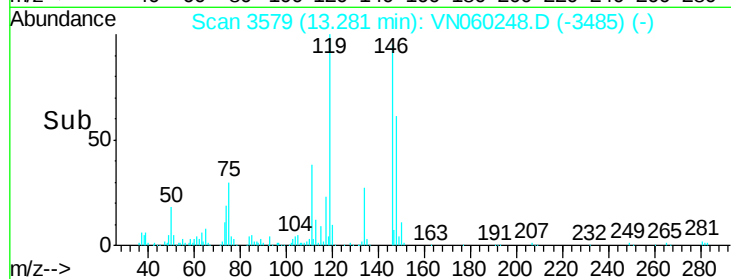
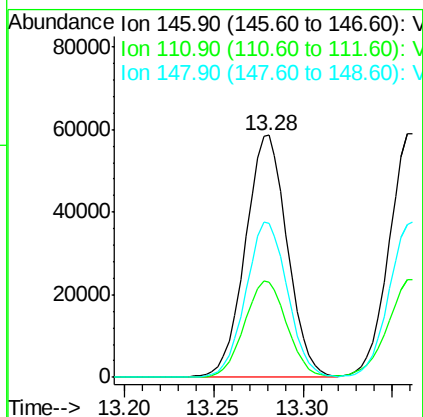
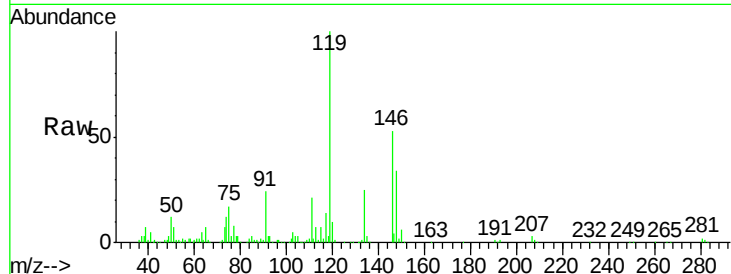
#87
 1,3-Dichlorobenzene
 Concen: 19.468 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	63.7	32.0	96.2

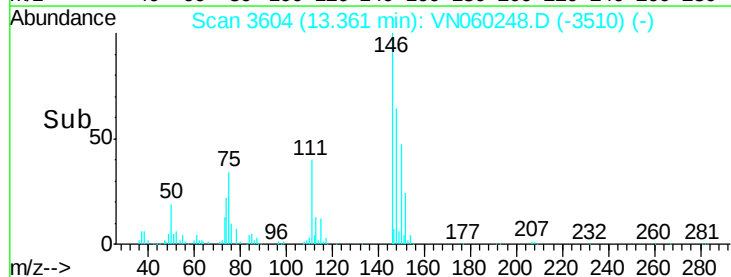
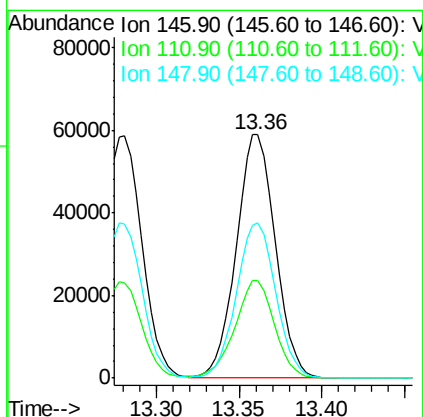
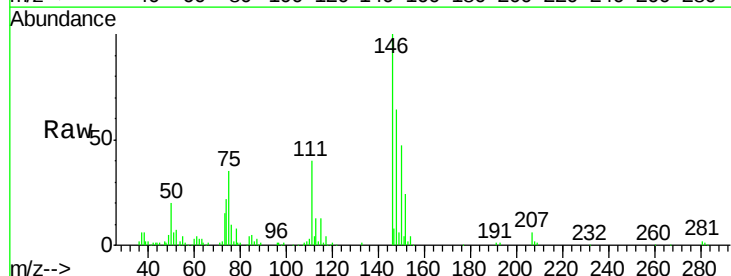
Manual Integrations
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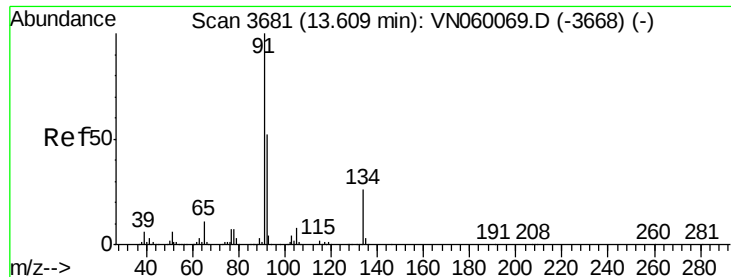
MMDadoda
 2/27/2020 9:40:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.456 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	18.9	56.5
148	64.3	32.0	96.0





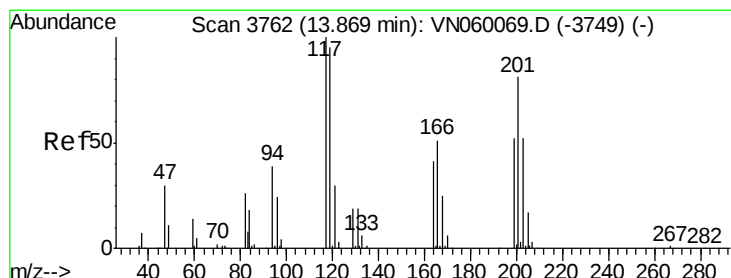
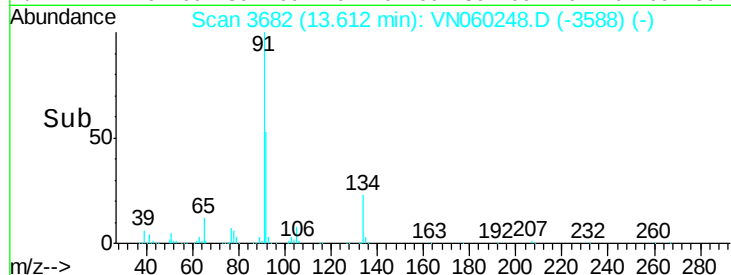
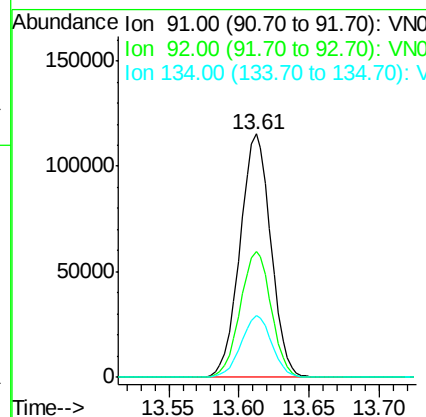
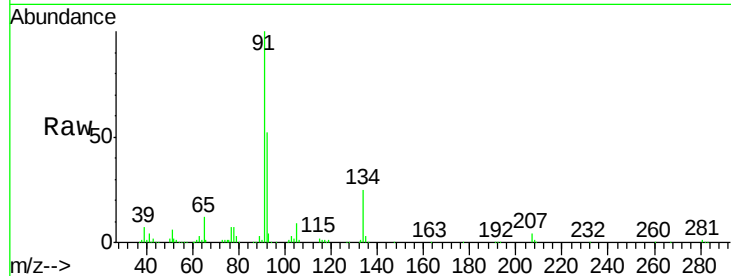
#89
n-Butylbenzene
Concen: 20.167 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.1	78.2
134	25.1	13.1	39.3

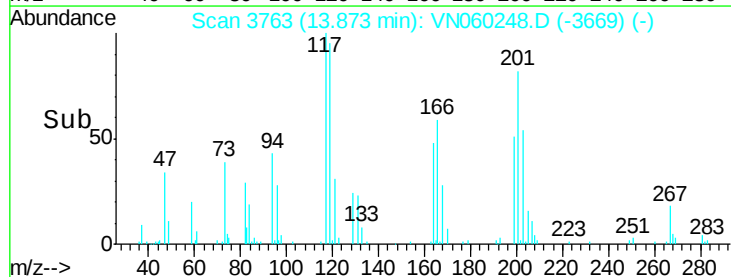
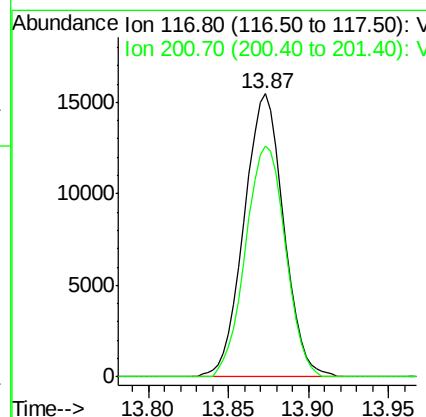
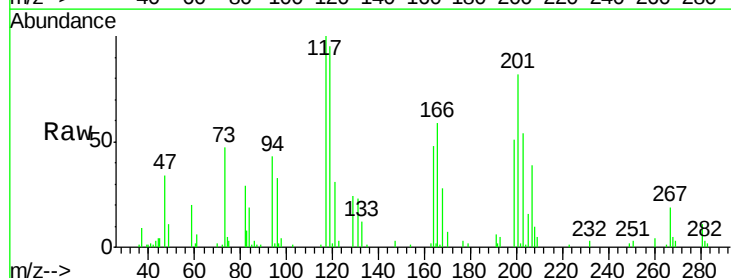
Manual Integrations
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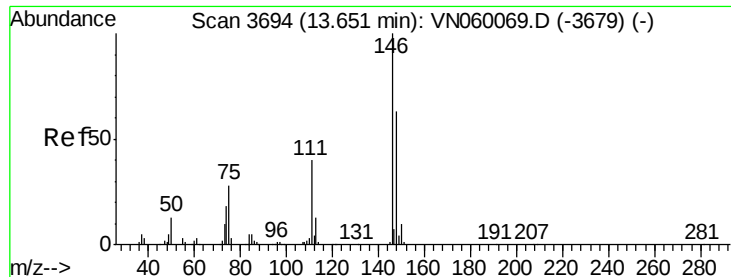
MMDadoda
2/27/2020 9:40:56 AM



#90
Hexachloroethane
Concen: 14.074 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060248.D
Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 19.039 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

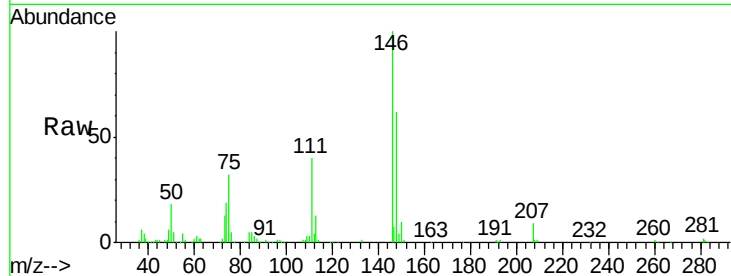
ClientSampled :

VN0226WBSD01

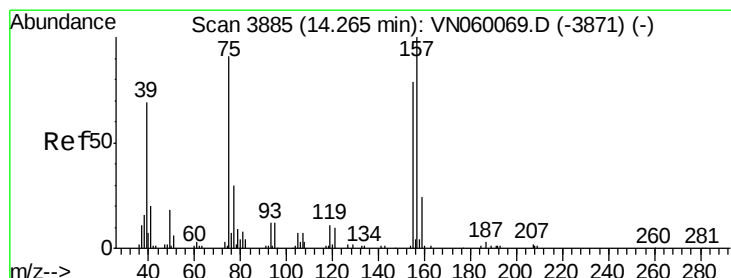
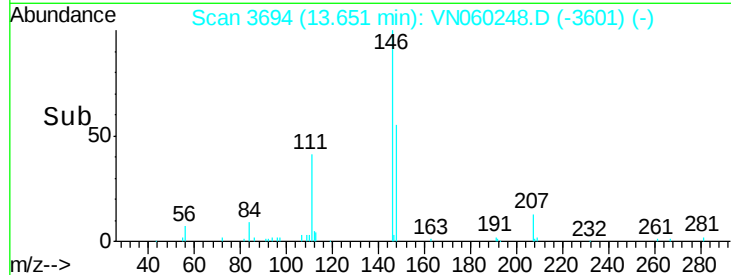
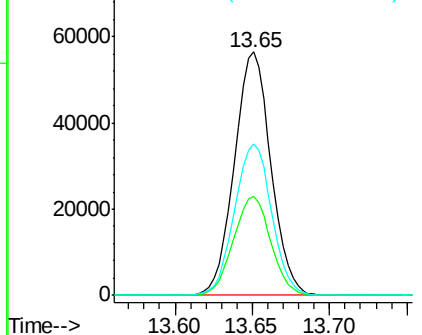
Tot Ion:	146	Resp:	92466
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.1	60.2
148	63.4	31.9	95.5

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.392 ug/l

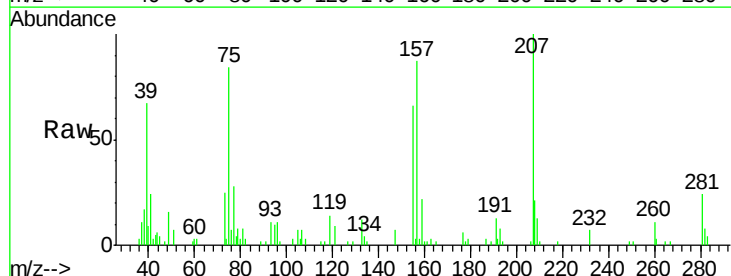
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

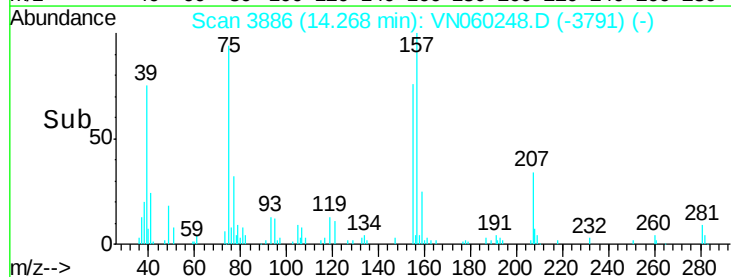
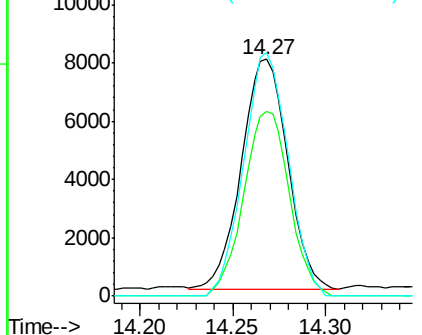
Lab File: VN060248.D

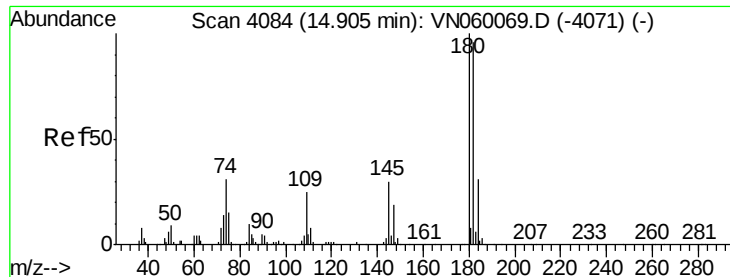
Acq: 26 Feb 2020 14:02

Tgt Ion:	75	Resp:	13734
Ion Ratio	Lower	Upper	
75	100		
155	78.6	43.0	129.0
157	101.1	54.9	164.5



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





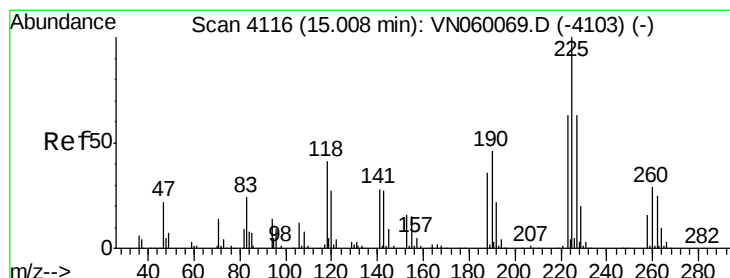
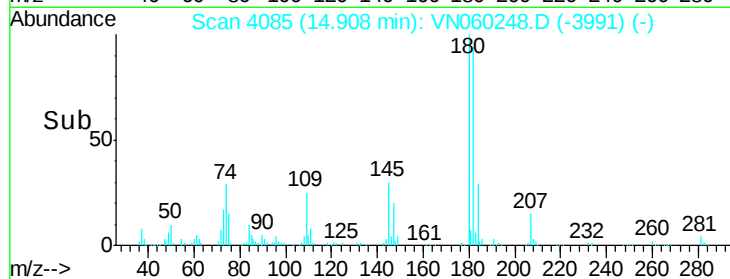
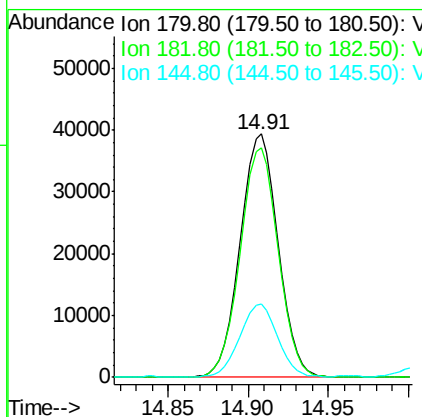
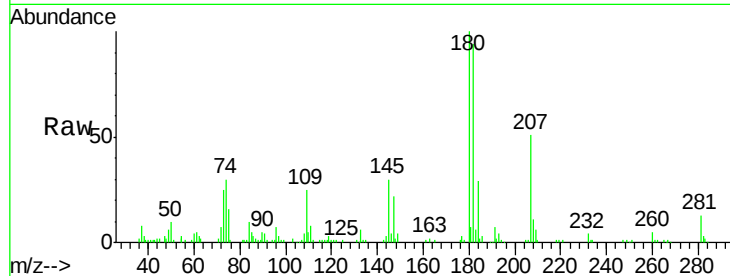
#93
 1,2,4-Trichlorobenzene
 Concen: 22.289 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63606		
182	94.6	47.9	143.8	
145	30.3	15.2	45.5	

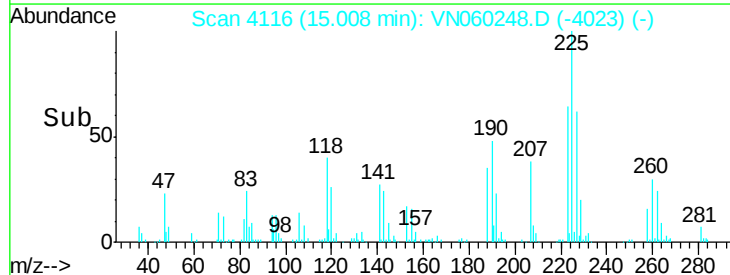
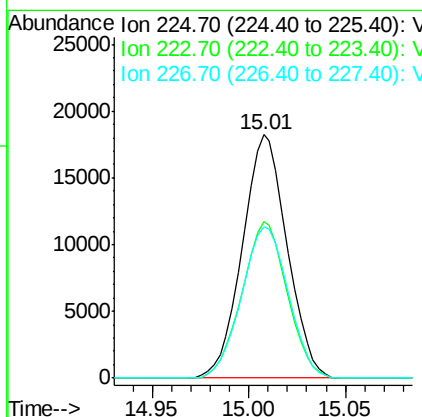
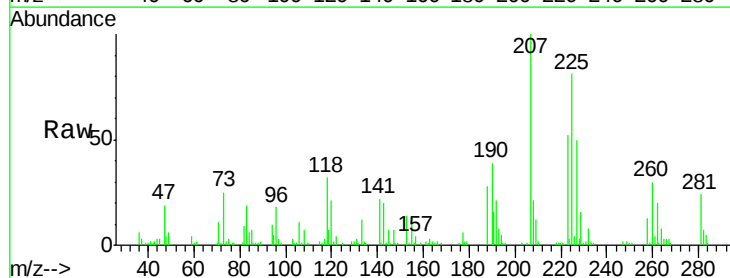
Manual Integrations
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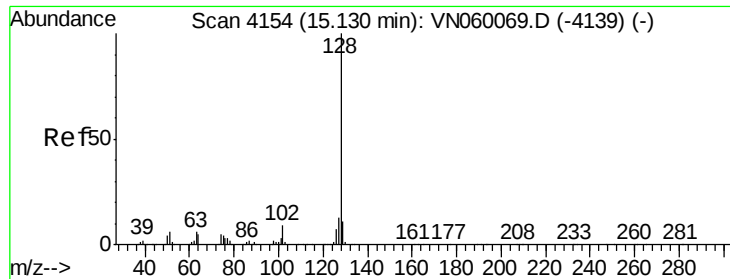
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 2/27/2020 9:40:56 AM



#94
 Hexachlorobutadiene
 Concen: 17.515 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060248.D
 Acq: 26 Feb 2020 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29261		
223	64.9	31.5	94.5	
227	65.0	31.8	95.4	





#95

Naphthalene

Concen: 24.566 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Instrument :

MSVOA_N

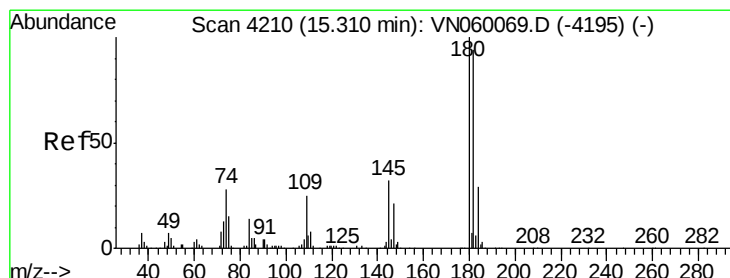
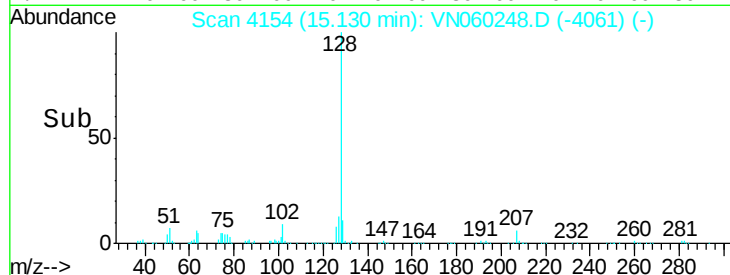
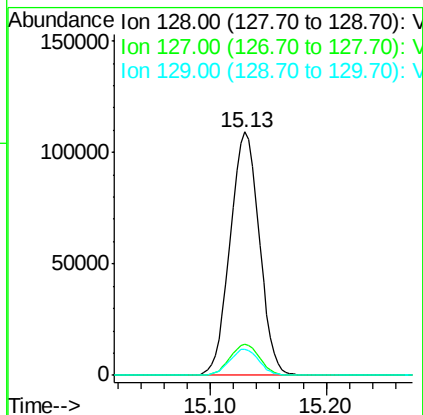
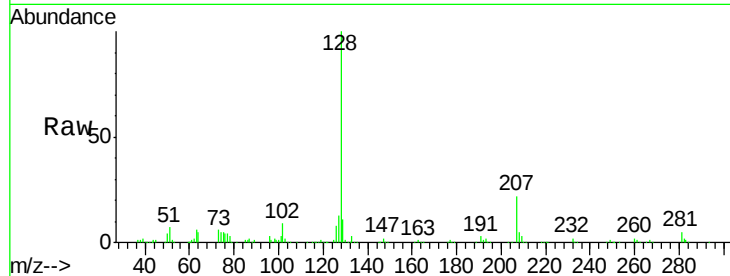
ClientSampleId :

VN0226WBSD01

Tot Ion:	128	Resp:	189365
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.192 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060248.D

Acq: 26 Feb 2020 14:02

Tgt Ion:	180	Resp:	60224
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.5	142.5
145	32.8	16.1	48.3

