

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021820\
 Data File : VN060132.D
 Acq On : 18 Feb 2020 9:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 5:05:55 PM

Quant Time: Feb 18 10:16:36 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	177634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	274897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135325	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	104133	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	7.56	113	85264	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	10.08	98	326467	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	121252	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96510	54.355	ug/l	100
3) Chloromethane	2.03	50	112876	53.420	ug/l	100
4) Vinyl Chloride	2.17	62	123975	51.475	ug/l	99
5) Bromomethane	2.54	94	74220	50.257	ug/l	99
6) Chloroethane	2.68	64	63466	52.099	ug/l	96
7) Trichlorofluoromethane	3.00	101	159121	51.243	ug/l	100
8) Diethyl Ether	3.38	74	54794	53.010	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	91046	52.811	ug/l	99
10) Methyl Iodide	3.93	142	124407	53.511	ug/l	98
11) Tert butyl alcohol	4.73	59	85808	265.283	ug/l	99
12) 1,1-Dichloroethene	3.72	96	87823	52.292	ug/l	96
13) Acrolein	3.57	56	76364	238.847	ug/l	97
14) Allyl chloride	4.29	41	127130	51.430	ug/l	97
15) Acrylonitrile	4.94	53	215362	272.635	ug/l	99
16) Acetone	3.78	43	278061	294.920	ug/l	99
17) Carbon Disulfide	4.03	76	252052	49.791	ug/l	100
18) Methyl Acetate	4.29	43	97695	55.160	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	291904	51.684	ug/l	98
20) Methylene Chloride	4.52	84	96988	51.561	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	96162	52.526	ug/l	97
22) Diisopropyl ether	5.92	45	286199	52.829	ug/l	95
23) Vinyl Acetate	5.86	43	1229457	270.247	ug/l	99
24) 1,1-Dichloroethane	5.82	63	172932	52.694	ug/l	99
25) 2-Butanone	6.80	43	342871	289.151	ug/l	98
26) 2,2-Dichloropropane	6.79	77	163768	52.538	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	109298	51.013	ug/l	98
28) Bromochloromethane	7.17	49	65262	50.583	ug/l #	98
29) Tetrahydrofuran	7.18	42	193747	266.335	ug/l	99
30) Chloroform	7.35	83	179326	52.163	ug/l	100
31) Cyclohexane	7.63	56	154359	50.492	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	163812	52.144	ug/l	100
36) 1,1-Dichloropropene	7.77	75	136703	53.689	ug/l	99
37) Ethyl Acetate	6.90	43	126913	55.151	ug/l	100
38) Carbon Tetrachloride	7.75	117	144377	52.210	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	169853	53.739	ug/l	99
40) Benzene	8.02	78	397311	52.603	ug/l	100
41) Methacrylonitrile	7.18	41	177679	184.113	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	140347	53.017	ug/l	99
43) Isopropyl Acetate	8.14	43	211593	53.790	ug/l	100
44) Trichloroethene	8.82	130	110602	52.885	ug/l	96
45) 1,2-Dichloropropane	9.10	63	102160	54.633	ug/l	100
46) Dibromomethane	9.19	93	70734	53.528	ug/l	98
47) Bromodichloromethane	9.38	83	145281	54.077	ug/l	99
48) Methyl methacrylate	9.18	41	94231	53.391	ug/l	100
49) 1,4-Dioxane	9.18	88	36090	1196.805	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	629842	276.624	ug/l	99
52) Toluene	10.14	92	256045	52.864	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	165449	54.559	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	172113	53.899	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	101926	53.941	ug/l	99
56) Ethyl methacrylate	10.42	69	149442	55.907	ug/l	99
57) 1,3-Dichloropropane	10.70	76	167584	53.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	377565	303.196	ug/l	99
59) 2-Hexanone	10.74	43	511349	290.731	ug/l	100
60) Dibromochloromethane	10.89	129	117562	54.217	ug/l	99
61) 1,2-Dibromoethane	10.99	107	107543	54.292	ug/l	99
64) Tetrachloroethene	10.62	164	102845	52.272	ug/l	98
65) Chlorobenzene	11.43	112	275060	52.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	107497	53.889	ug/l	100
67) Ethyl Benzene	11.50	91	506388	53.246	ug/l	99
68) m/p-Xylenes	11.61	106	389178	109.033	ug/l	99
69) o-Xylene	11.94	106	185369	53.938	ug/l	100
70) Styrene	11.96	104	308703	55.702	ug/l	100
71) Bromoform	12.12	173	89414	55.730	ug/l #	98
73) Isopropylbenzene	12.24	105	509323	50.401	ug/l	100
74) N-amyl acetate	12.06	43	194043	53.251	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	148303	50.987	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	201261	77.735	ug/l #	100
77) Bromobenzene	12.52	156	126361	50.387	ug/l	100
78) n-propylbenzene	12.59	91	591136	51.344	ug/l	100
79) 2-Chlorotoluene	12.67	91	336950	49.792	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	431622	51.370	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	57025	53.929	ug/l	99
82) 4-Chlorotoluene	12.77	91	355930	51.265	ug/l	100
83) tert-Butylbenzene	12.99	119	368491	49.577	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	434175	52.348	ug/l	99
85) sec-Butylbenzene	13.17	105	504407	51.242	ug/l	100
86) p-Isopropyltoluene	13.28	119	466087	52.260	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	231012	52.039	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	230398	51.911	ug/l	99
89) n-Butylbenzene	13.61	91	417030	53.163	ug/l	99
90) Hexachloroethane	13.87	117	85178	51.123	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	222915	51.311	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32469	52.539	ug/l	99

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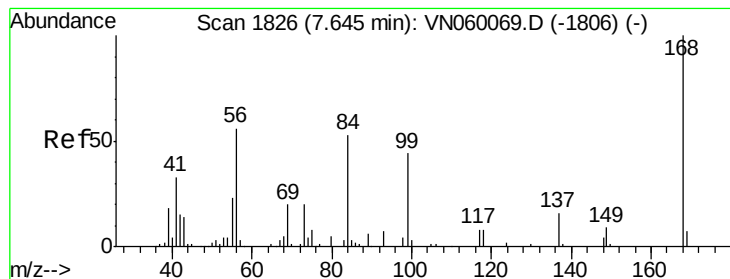
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	143962	56.398	ug/l	99
94) Hexachlorobutadiene	15.01	225	77543	51.890	ug/l	99
95) Naphthalene	15.13	128	373494	54.166	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140681	55.342	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

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Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 177634

Ion Ratio Lower Upper

168 100

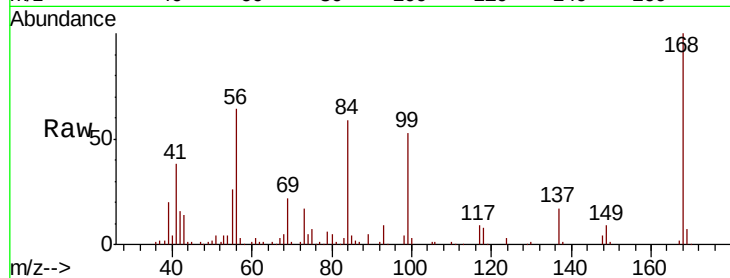
99 53.3 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

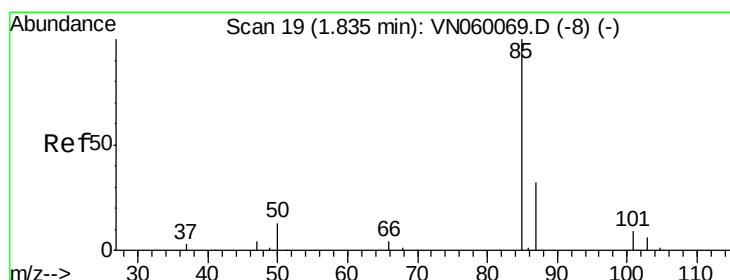
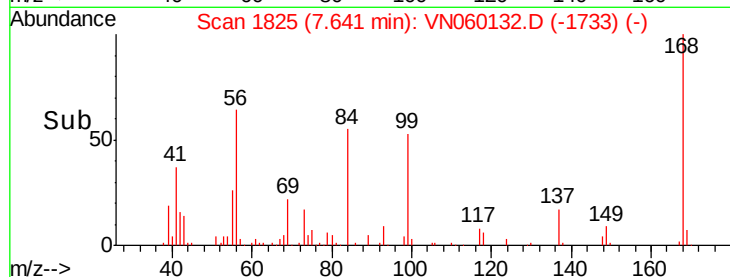
20000

0

Time-->

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 54.355 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060132.D

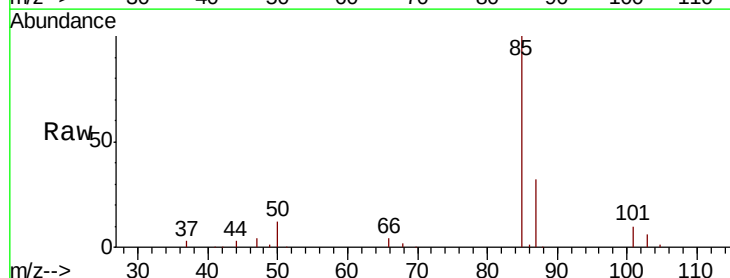
Acq: 18 Feb 2020 9:57

Tgt Ion: 85 Resp: 96510

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

40000

20000

0

Time-->

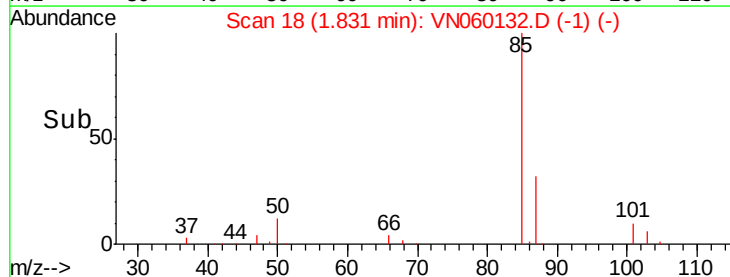
1.75

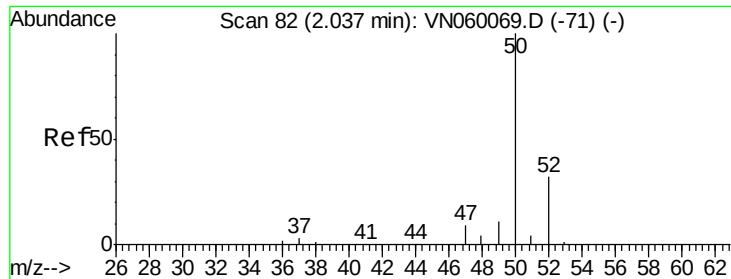
1.80

1.85

1.90

1.95





#3

Chloromethane

Concen: 53.420 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 112876

Ion Ratio Lower Upper

50 100

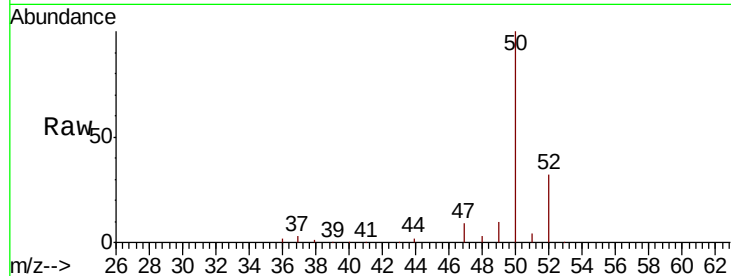
52 32.0 25.6 38.4

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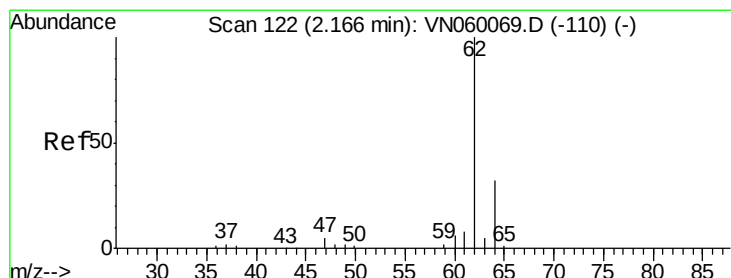
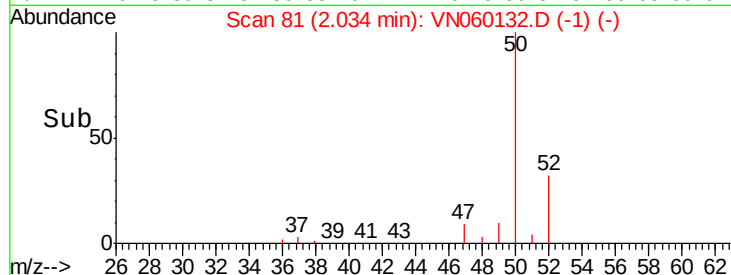
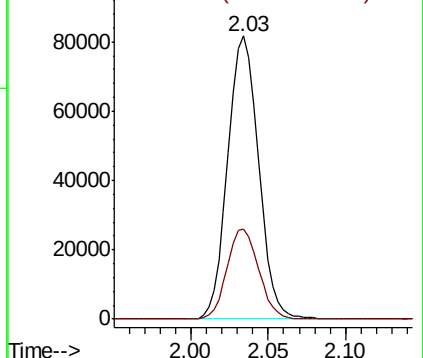
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 51.475 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060132.D

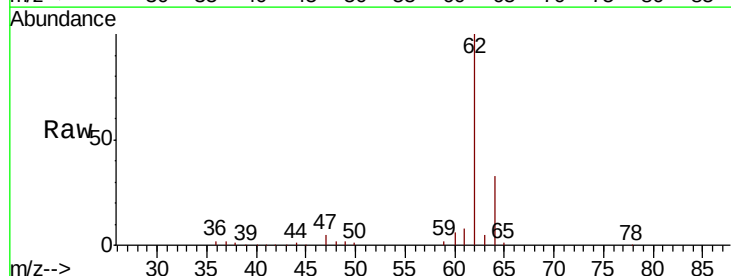
Acq: 18 Feb 2020 9:57

Tgt Ion: 62 Resp: 123975

Ion Ratio Lower Upper

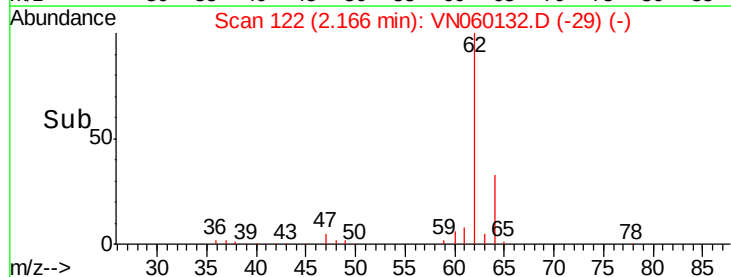
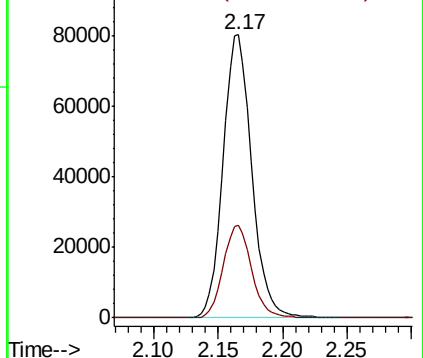
62 100

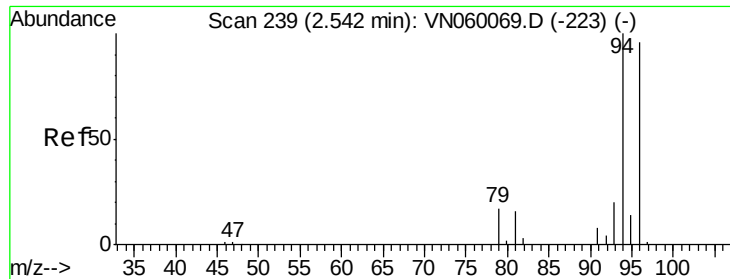
64 32.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 50.257 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 74220

Ion Ratio Lower Upper

94 100

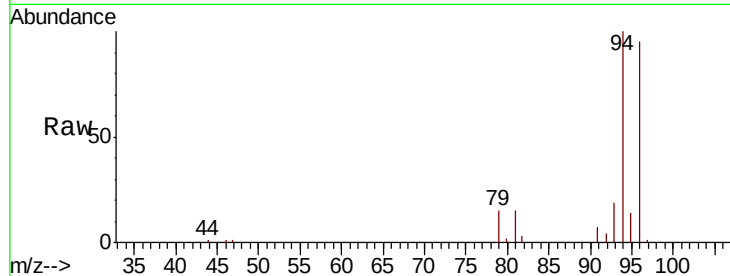
96 94.6 76.7 115.1

Manual Integrations

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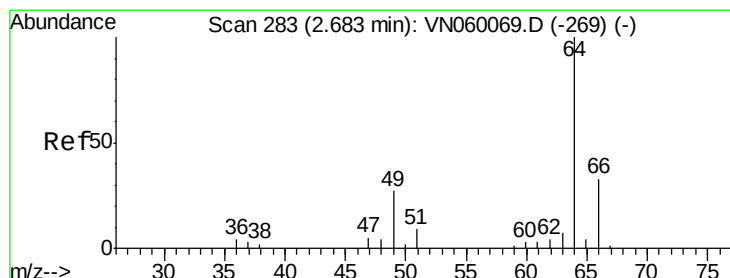
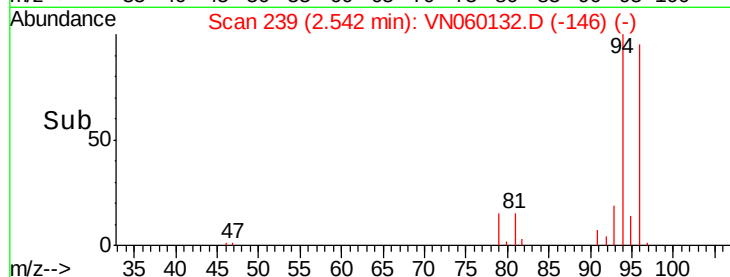
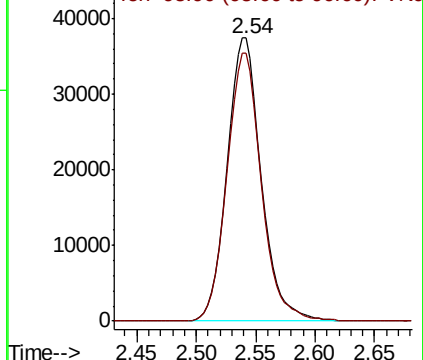
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.099 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060132.D

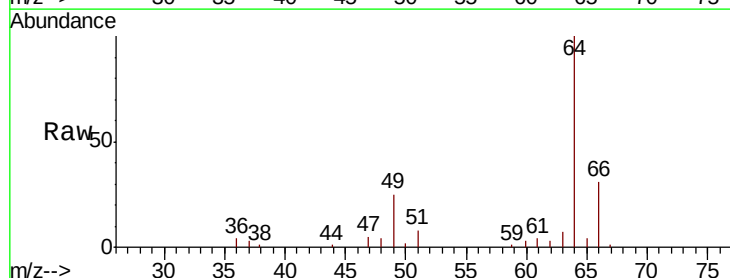
Acq: 18 Feb 2020 9:57

Tgt Ion: 64 Resp: 63466

Ion Ratio Lower Upper

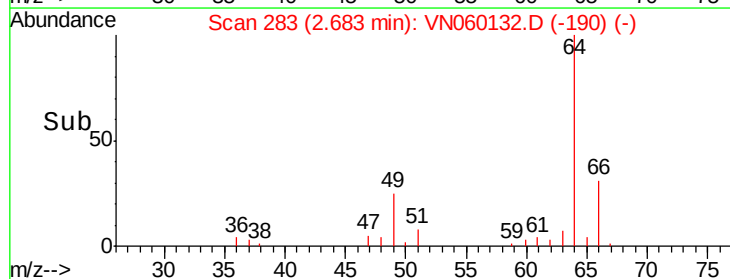
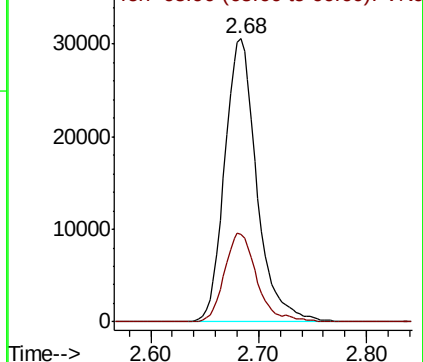
64 100

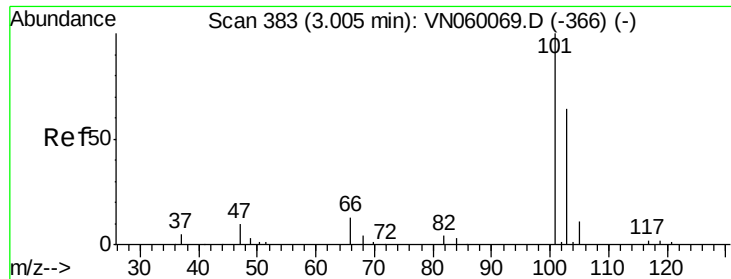
66 31.0 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

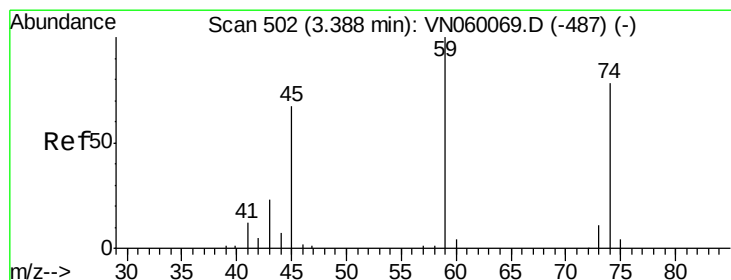
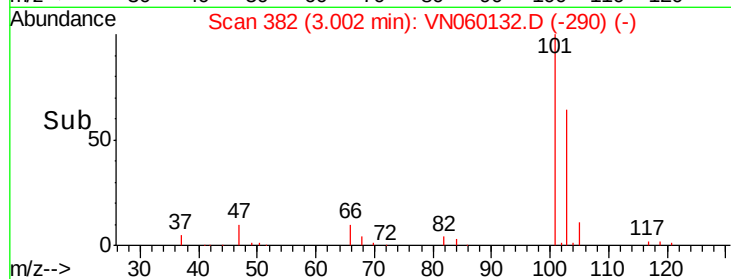
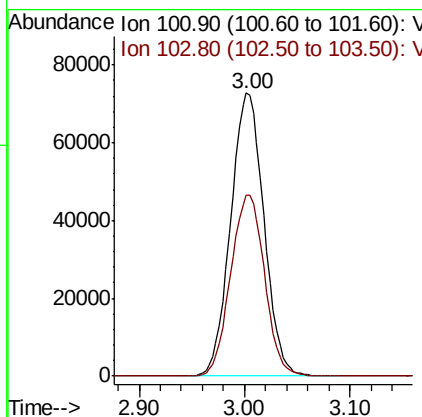
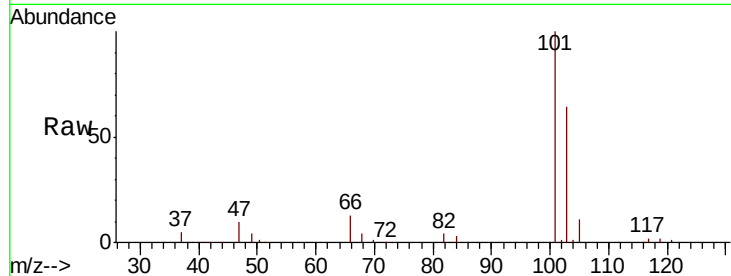
Trichlorofluoromethane
 Concen: 51.243 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.6

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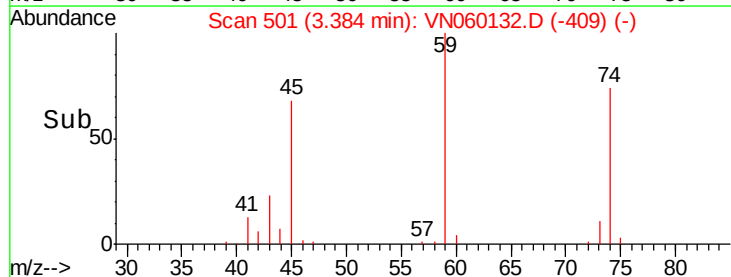
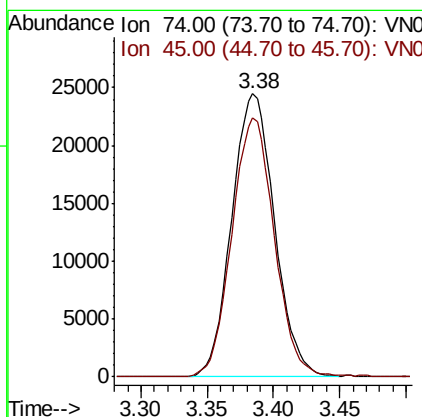
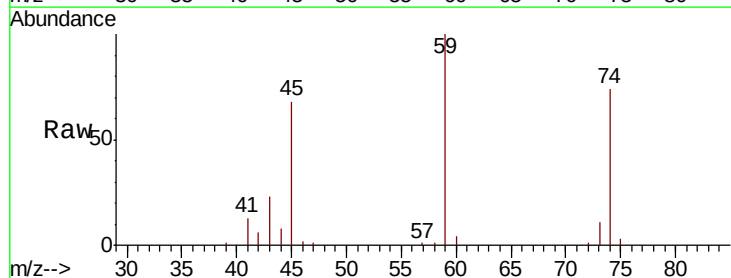
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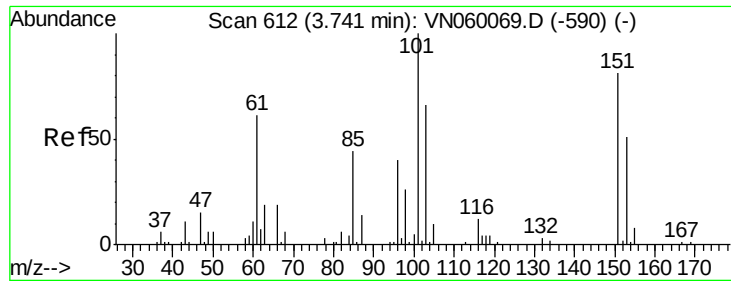


#8

Diethyl Ether
 Concen: 53.010 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060132.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.811 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060132.D

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Instrument :

MSVOA_N

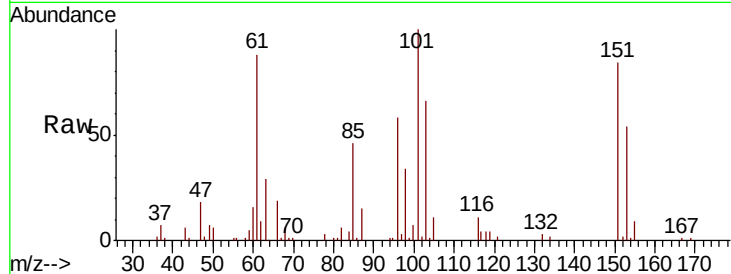
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	91046
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.1	52.7
151	81.0	65.8	98.6

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2/19/2020 5:05:55 PM

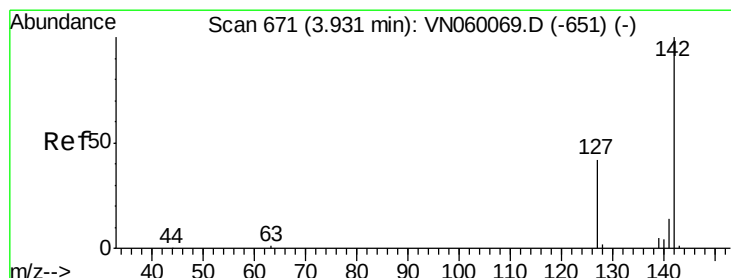
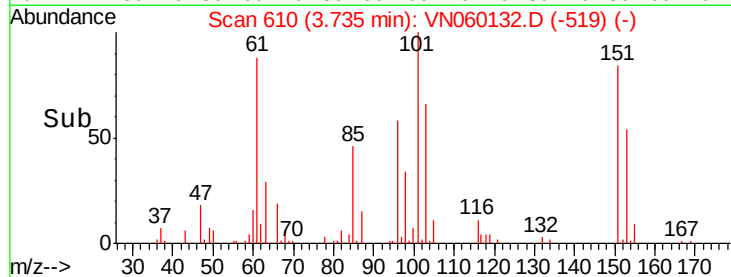
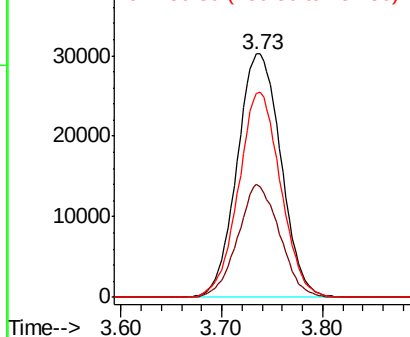


Abundance

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: 53.511 ug/l

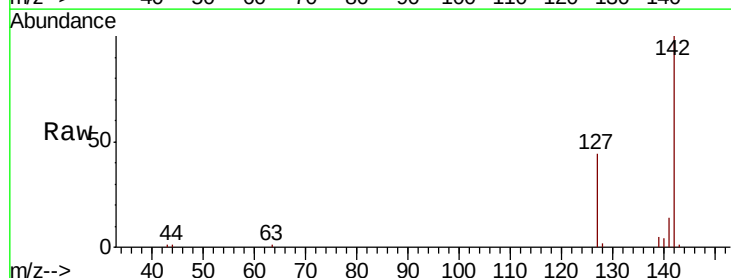
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Tgt Ion:	142	Resp:	124407
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.6	50.4
141	14.1	11.4	17.2

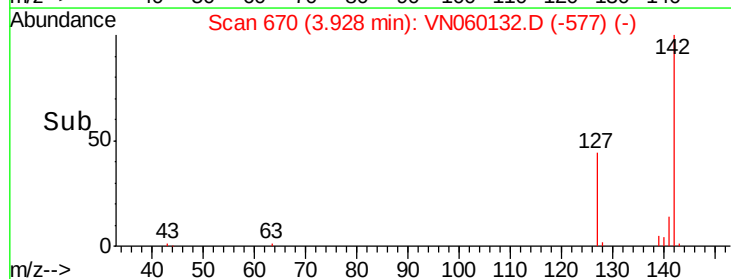
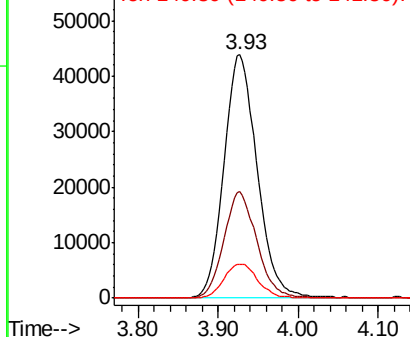


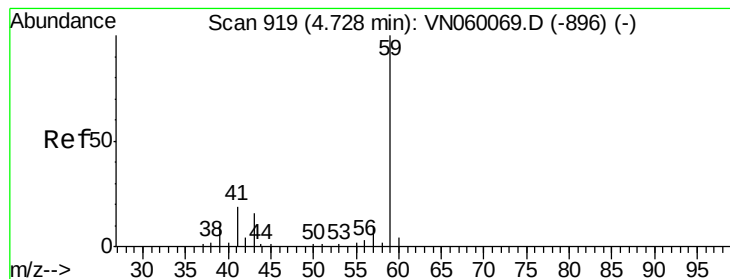
Abundance

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

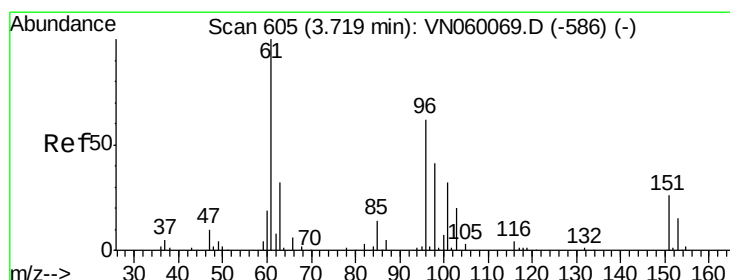
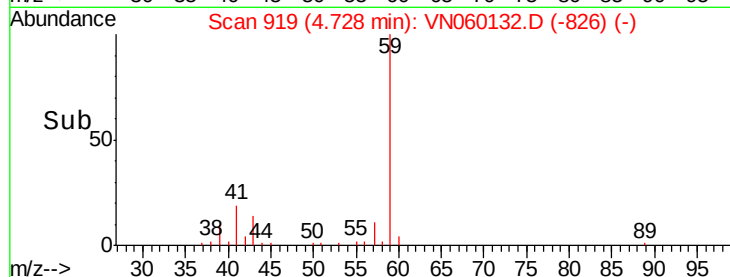
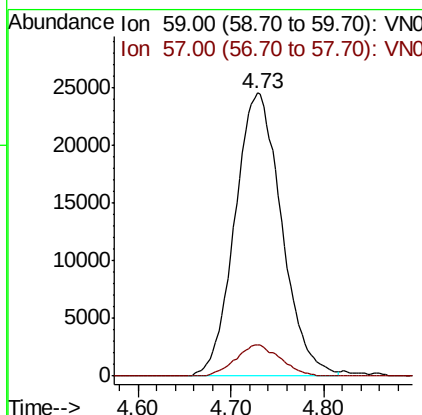
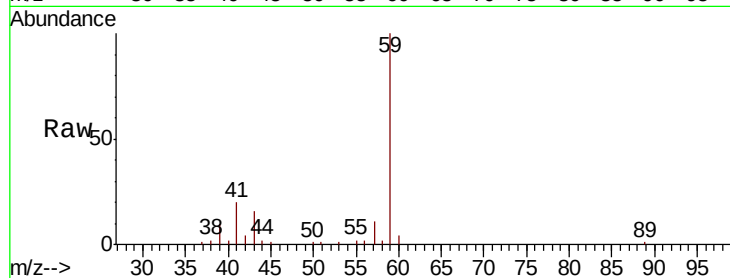
Tert butyl alcohol
Concen: 265.283 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.4

Manual Integrations
APPROVED

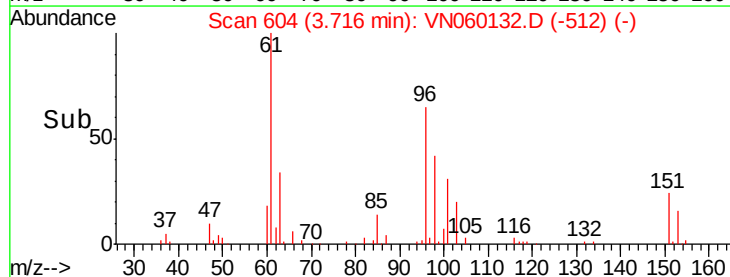
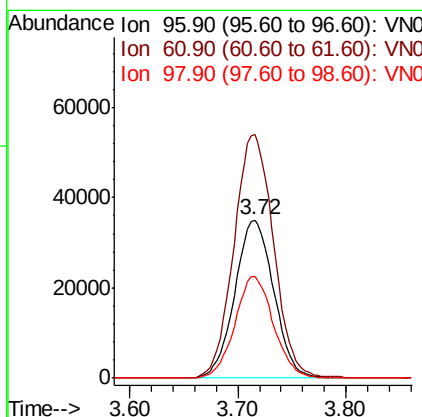
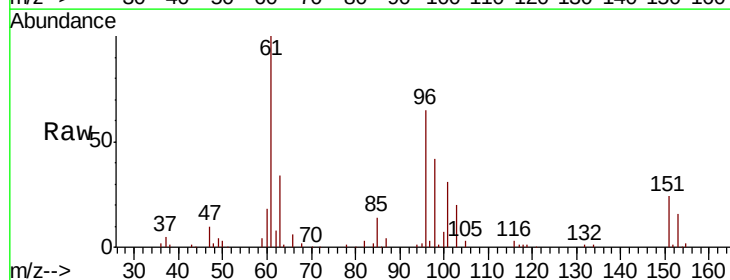
MMDadoda
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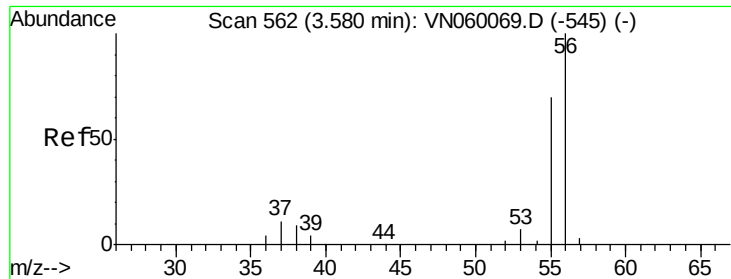


#12

1,1-Dichloroethene
Concen: 52.292 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	128.3	192.5
98	64.0	52.2	78.4





#13

Acrolein

Concen: 238.847 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 76364

Ion Ratio Lower Upper

56 100

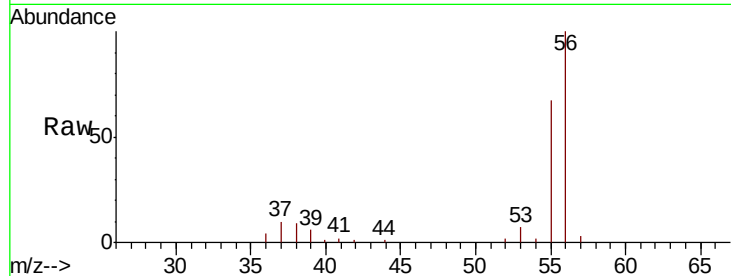
55 70.7 54.8 82.2

Manual Integrations

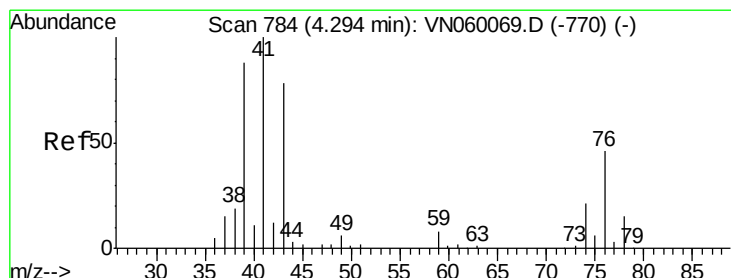
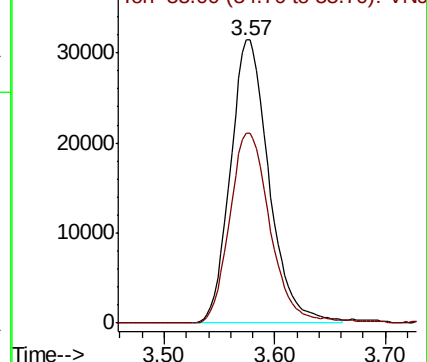
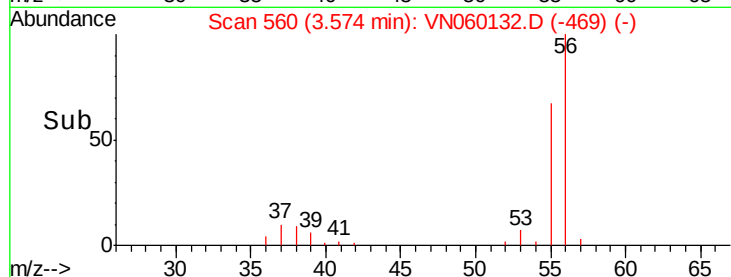
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VN060132.D (-469) (-)



#14

Allyl chloride

Concen: 51.430 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

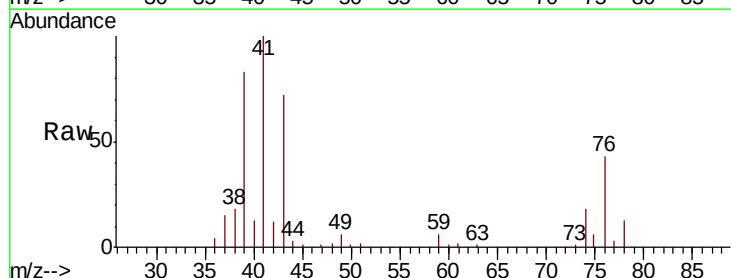
Tgt Ion: 41 Resp: 127130

Ion Ratio Lower Upper

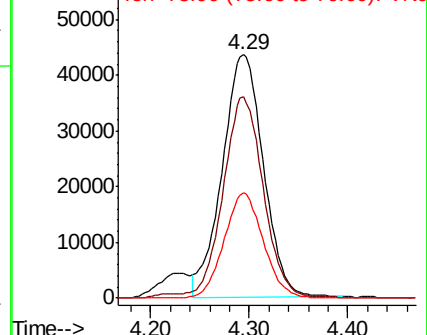
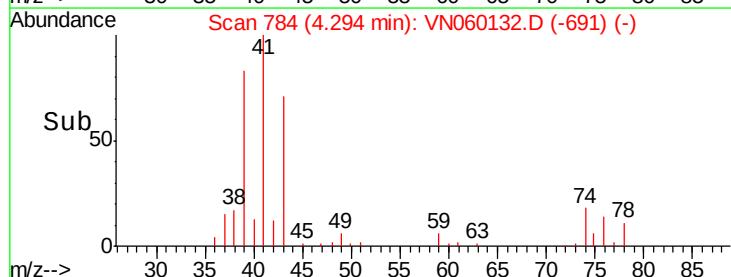
41 100

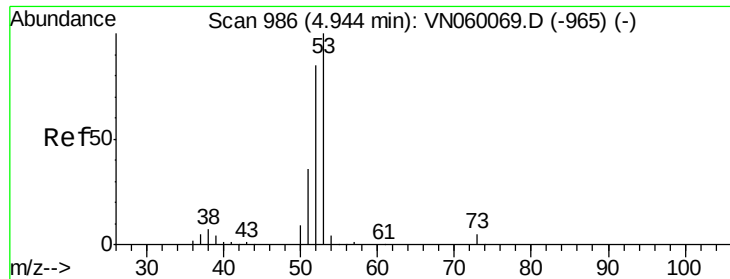
39 81.8 67.8 101.8

76 41.1 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060132.D (-691) (-)





#15

Acrylonitrile

Concen: 272.635 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

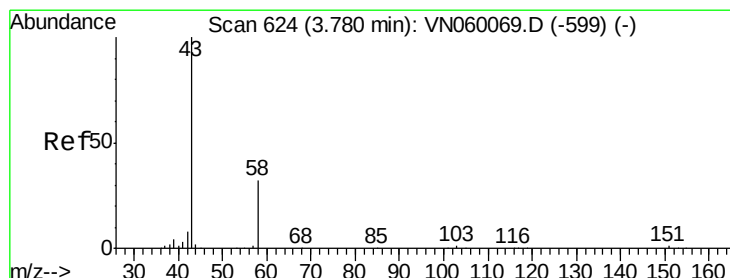
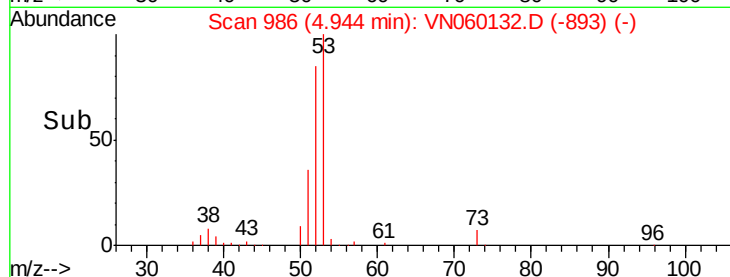
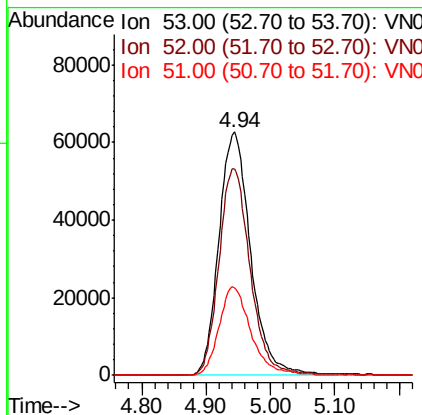
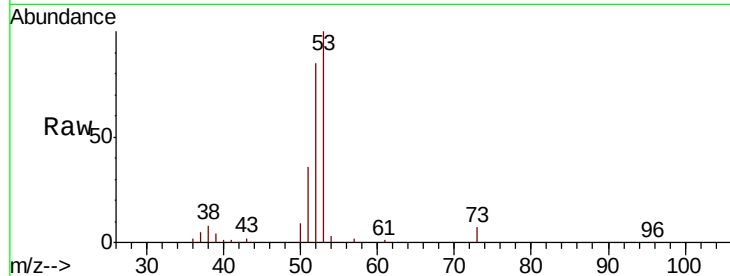
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	215362
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.8	100.2
51	36.6	29.4	44.0

Manual Integrations
APPROVED

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#16

Acetone

Concen: 294.920 ug/l

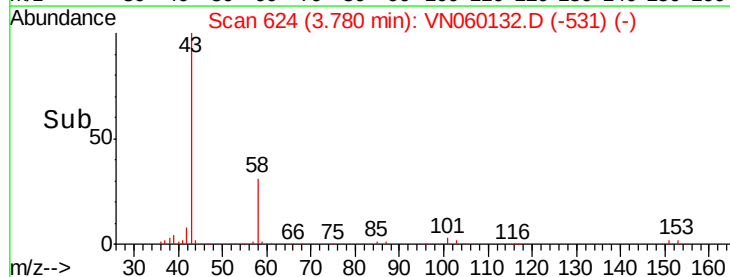
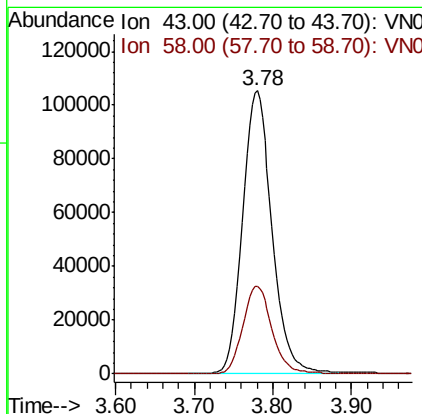
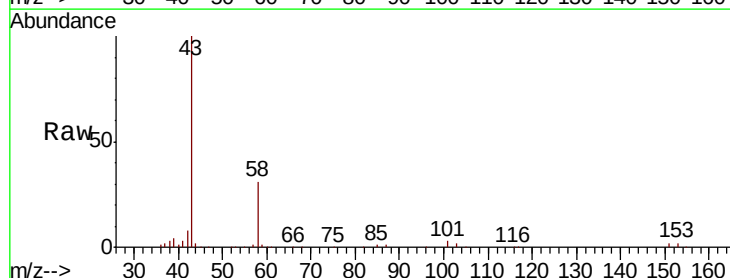
RT: 3.78 min Scan# 624

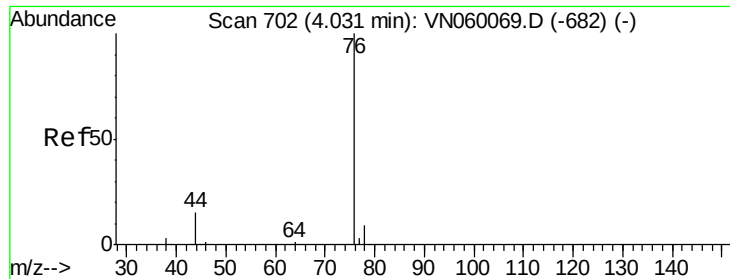
Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Tgt Ion:	43	Resp:	278061
Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.2	37.8





#17

Carbon Disulfide

Concen: 49.791 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 252052

Ion Ratio Lower Upper

76 100

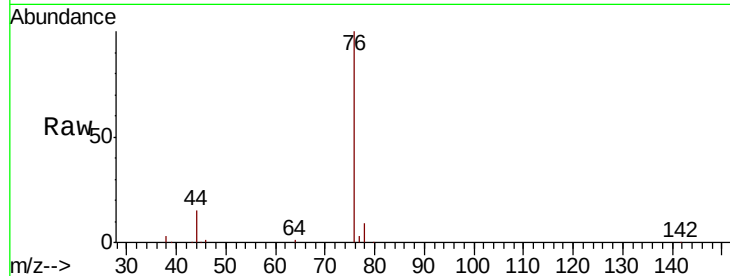
78 8.9 7.0 10.6

Manual Integrations

APPROVED

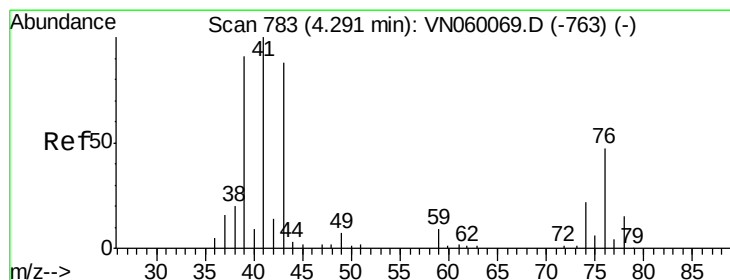
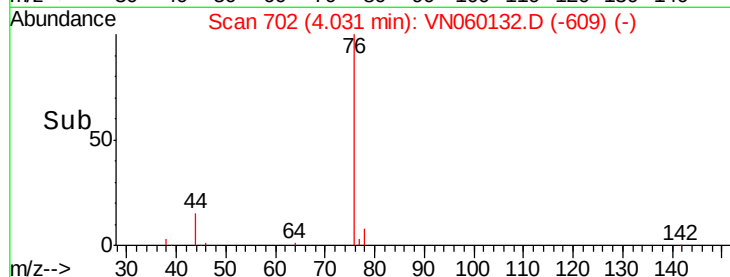
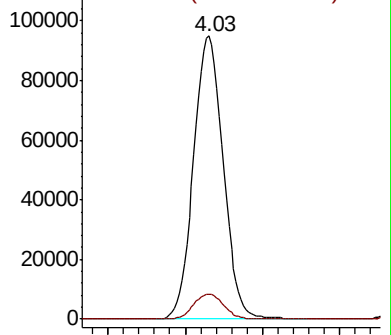
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 55.160 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060132.D

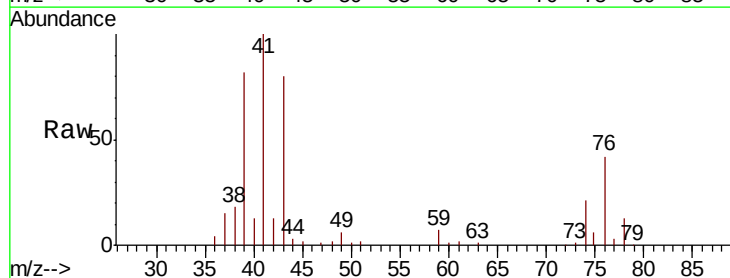
Acq: 18 Feb 2020 9:57

Tgt Ion: 43 Resp: 97695

Ion Ratio Lower Upper

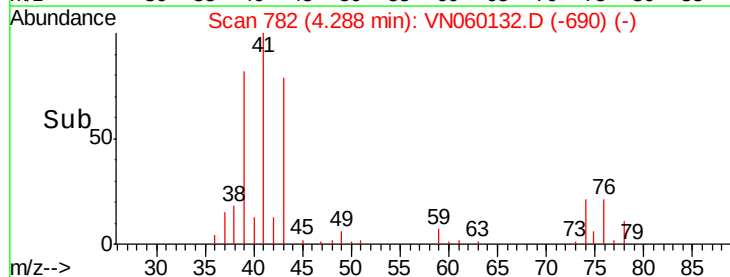
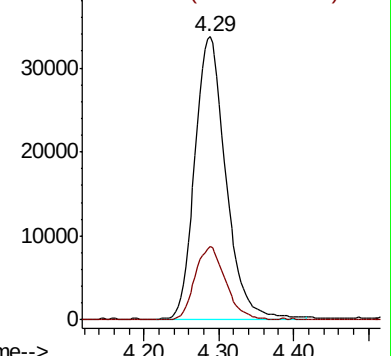
43 100

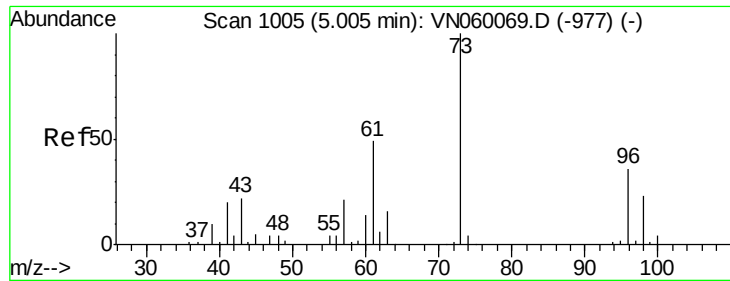
74 25.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





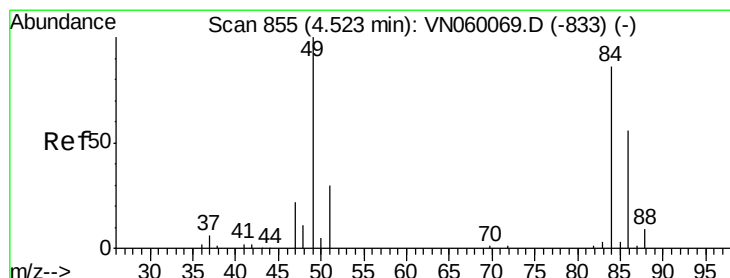
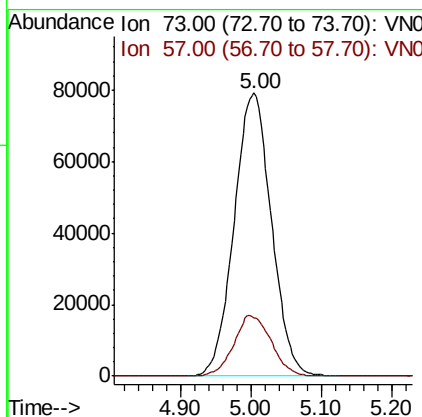
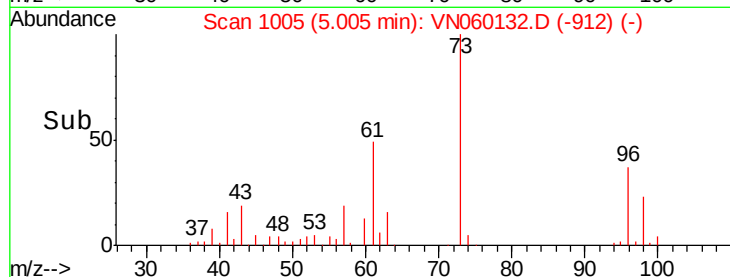
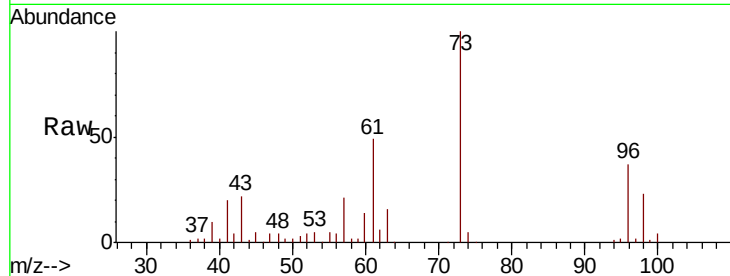
#19
Methvl tert-butvl Ether
Concen: 51.684 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 291904
Ion Ratio Lower Upper
73 100
57 20.7 17.2 25.8

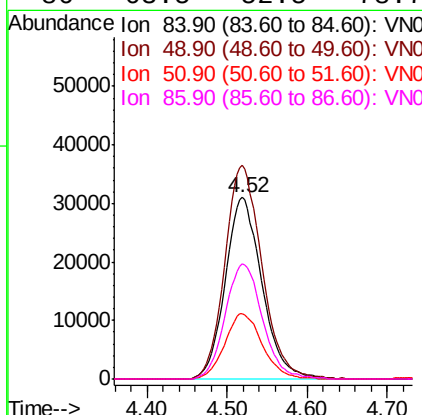
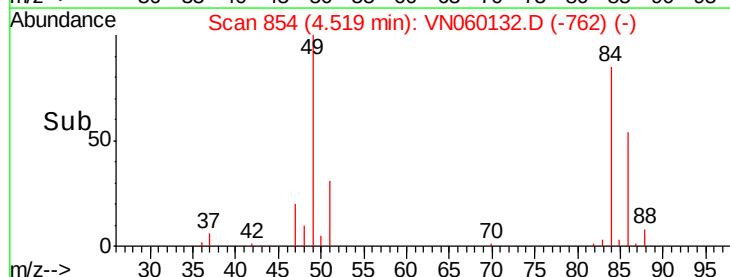
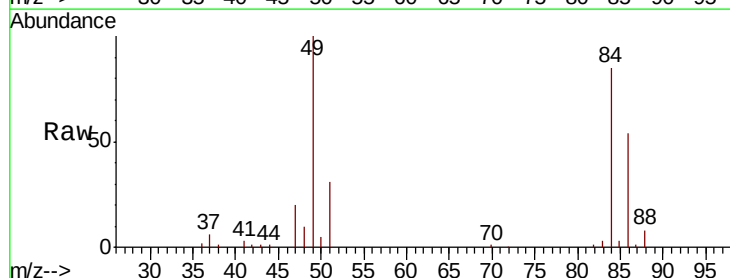
Manual Integrations
APPROVED

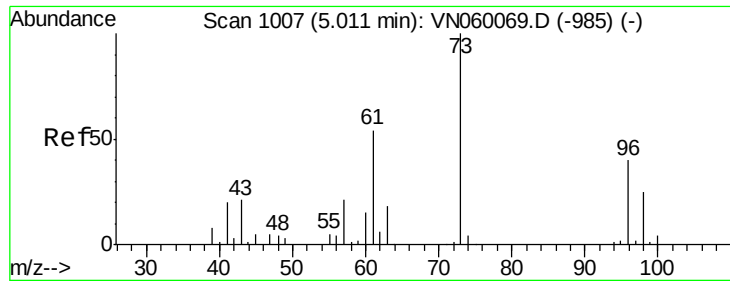
MMDadoda
2/19/2020 5:05:55 PM



#20
Methylene Chloride
Concen: 51.561 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 84 Resp: 96988
Ion Ratio Lower Upper
84 100
49 117.5 93.4 140.0
51 36.2 28.4 42.6
86 63.5 52.5 78.7





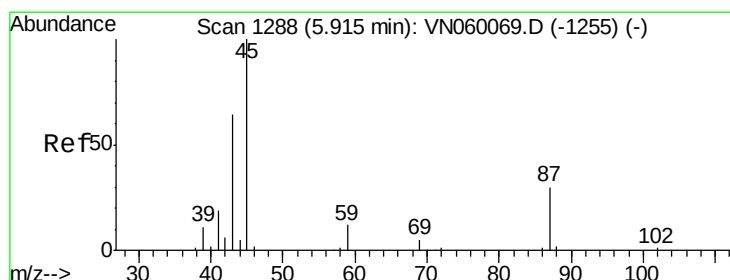
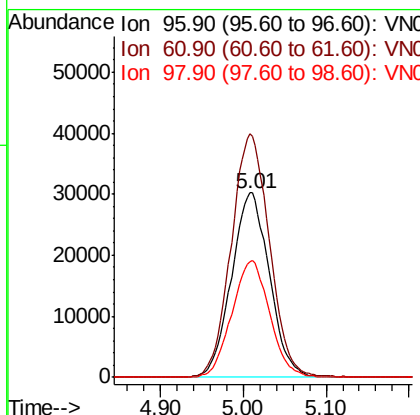
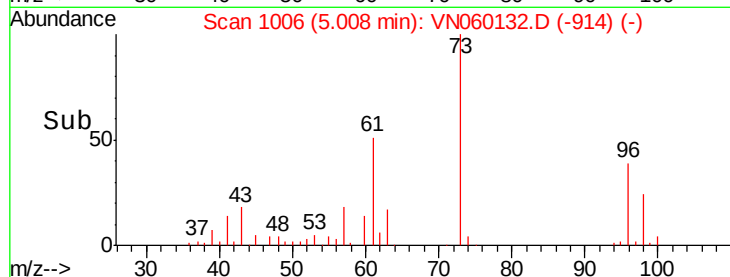
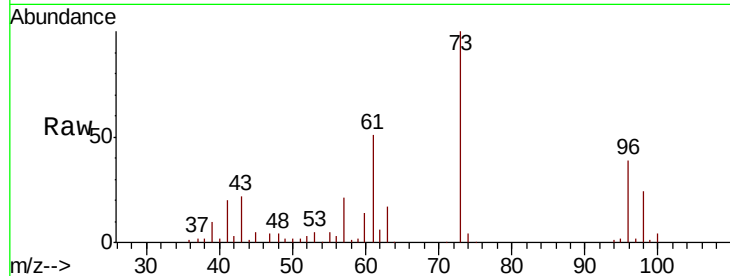
#21
trans-1,2-Dichloroethene
Concen: 52.526 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	109.3	163.9
98	62.5	51.0	76.6

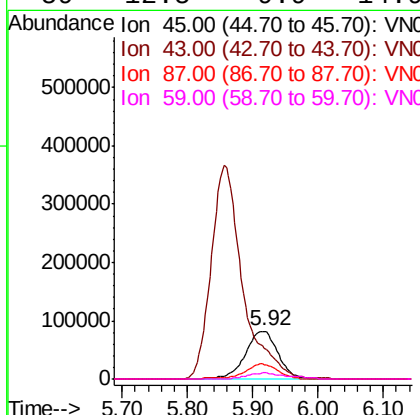
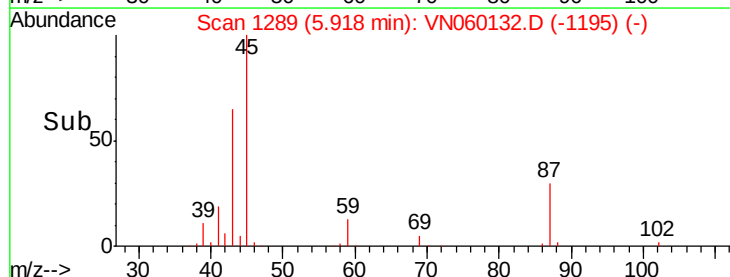
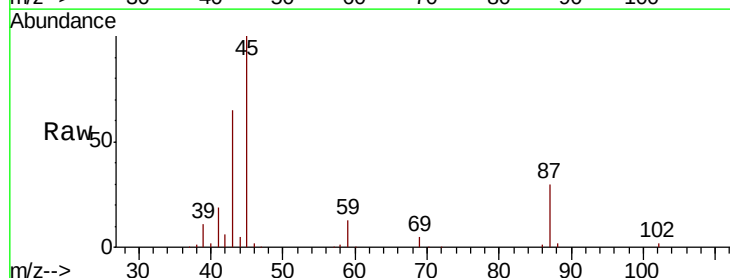
Manual Integrations
APPROVED

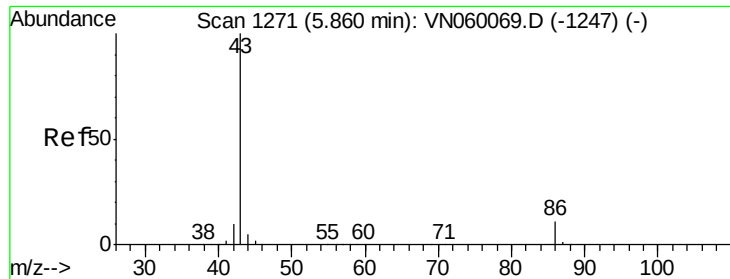
MMDadoda
2/19/2020 5:05:55 PM



#22
Diisopropyl ether
Concen: 52.829 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.4	55.9	83.9
87	30.2	24.5	36.7
59	12.5	9.9	14.9





#23

Vinyl Acetate

Concen: 270.247 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1229457

Ion Ratio Lower Upper

43 100

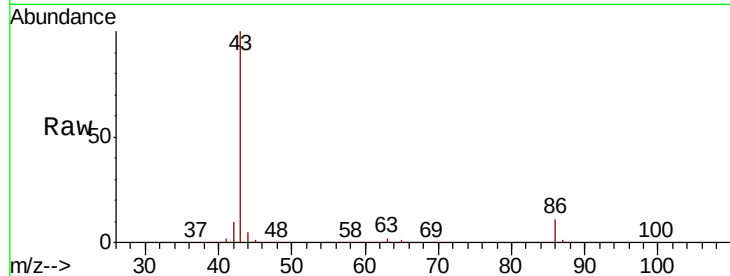
86 10.9 8.9 13.3

Manual Integrations

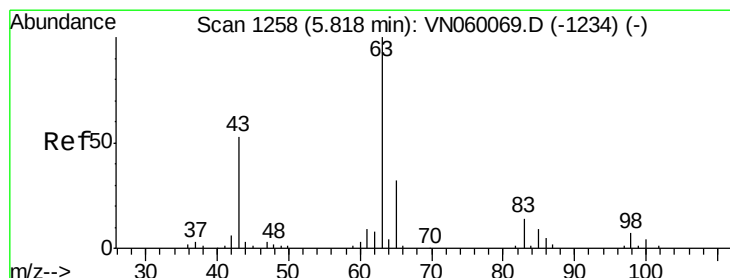
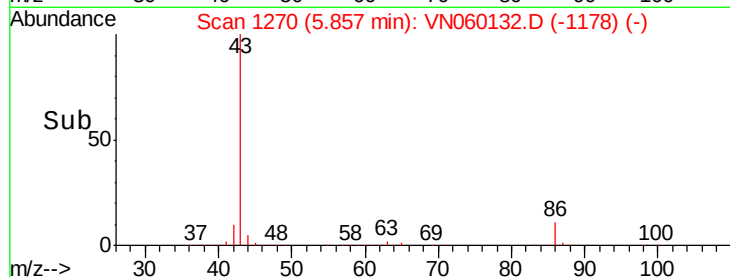
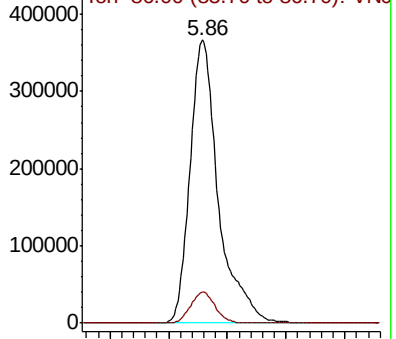
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Abundance Ion 43.00 (42.70 to 43.70): VN060132.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 52.694 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

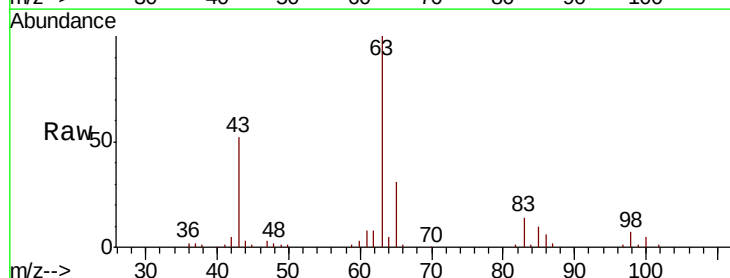
Tgt Ion: 63 Resp: 172932

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

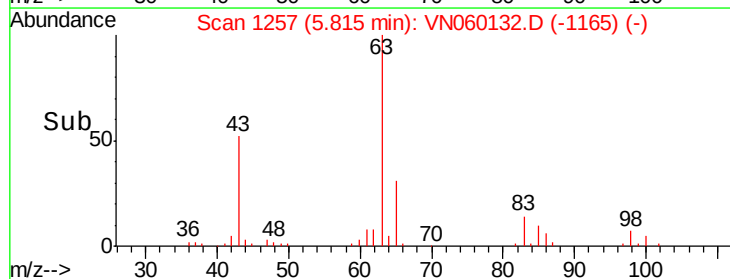
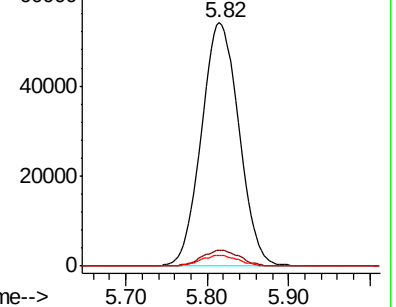
100 4.5 2.2 6.6

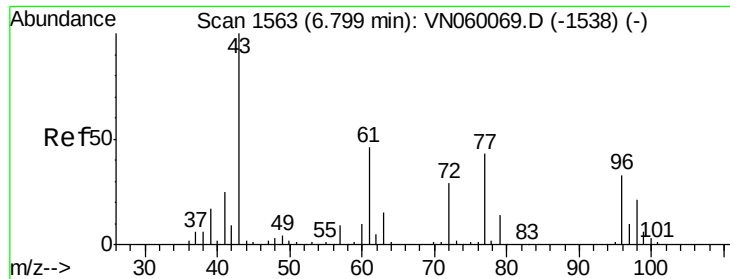


Abundance Ion 62.90 (62.60 to 63.60): VN060132.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060132.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060132.D (-1165) (-)





#25

2-Butanone

Concen: 289.151 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 342871

Ion Ratio Lower Upper

43 100

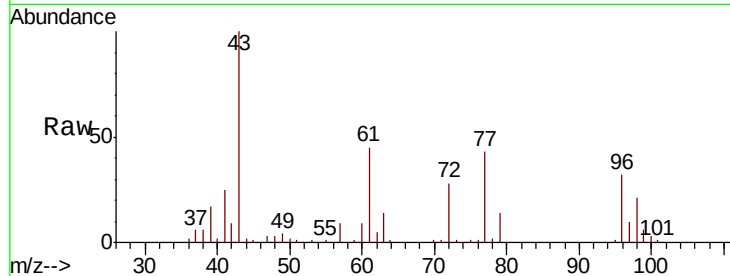
72 28.2 23.3 34.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)

6.80

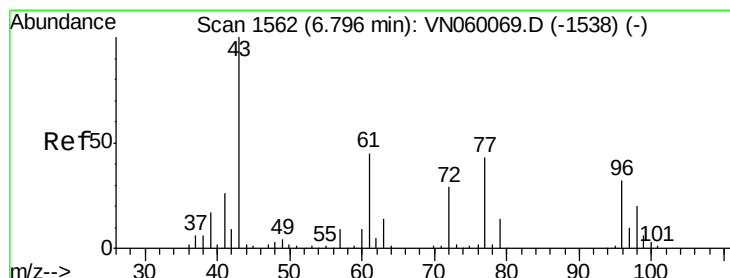
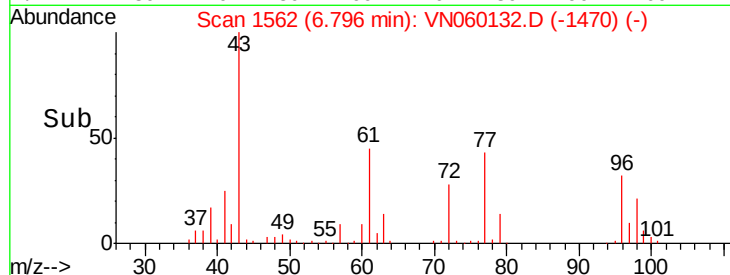
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 52.538 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060132.D

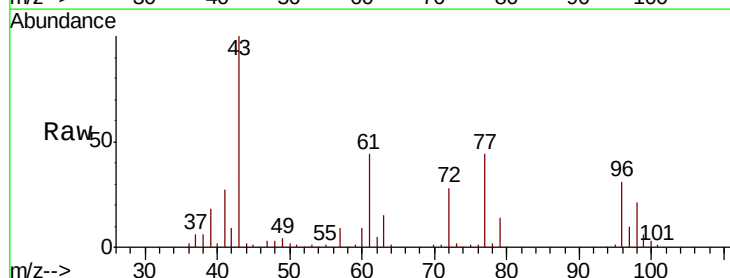
Acq: 18 Feb 2020 9:57

Tgt Ion: 77 Resp: 163768

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060132.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060132.D (-1469) (-)

6.79

60000

50000

40000

30000

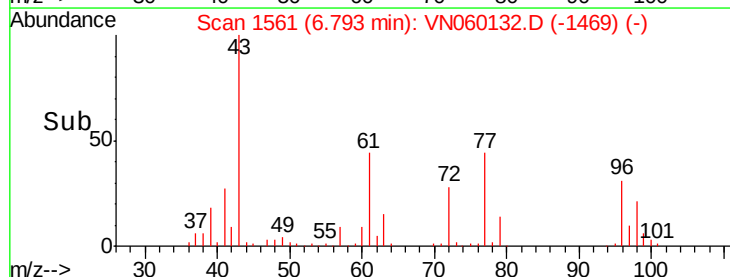
20000

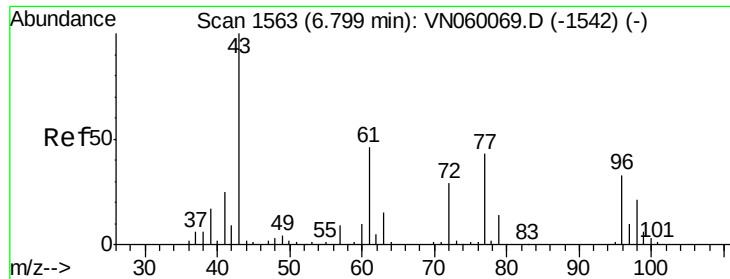
10000

0

6.70 6.80 6.90

Time-->





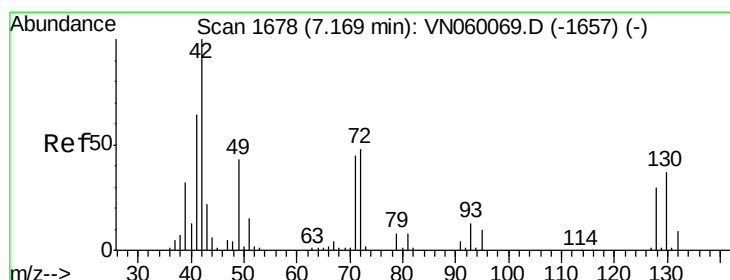
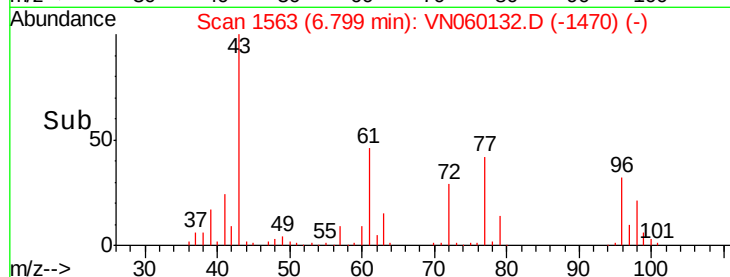
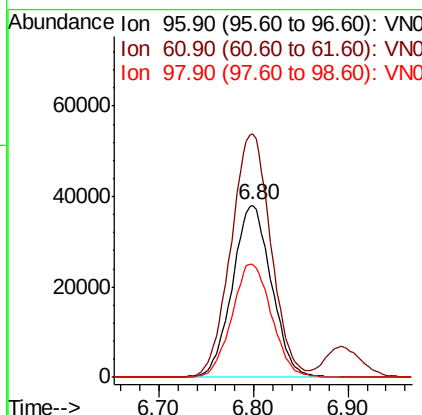
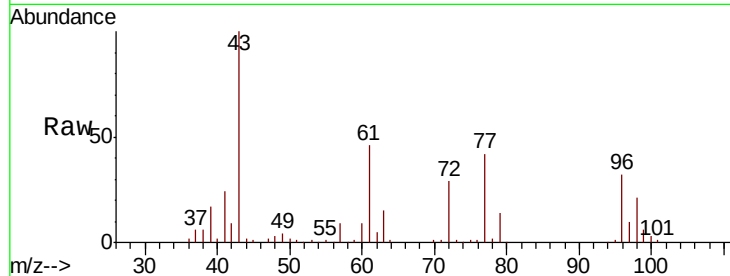
#27
 cis-1,2-Dichloroethene
 Concen: 51.013 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.6	0.0	285.8	
98	66.7	0.0	129.6	

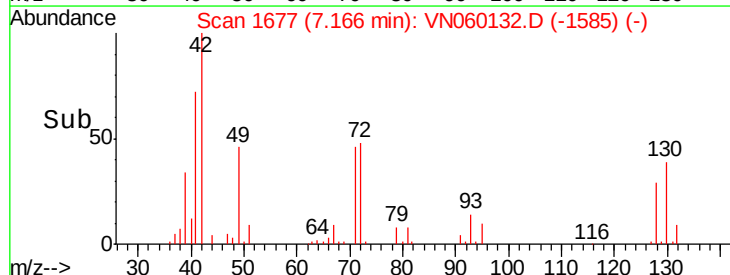
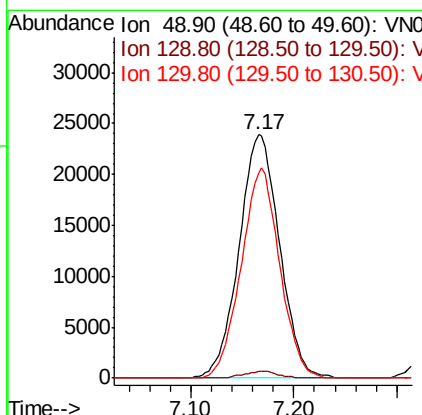
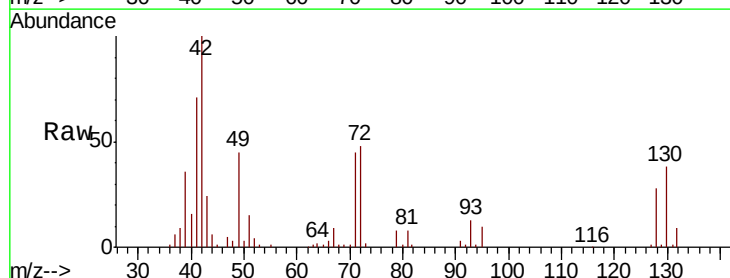
Manual Integrations
 APPROVED

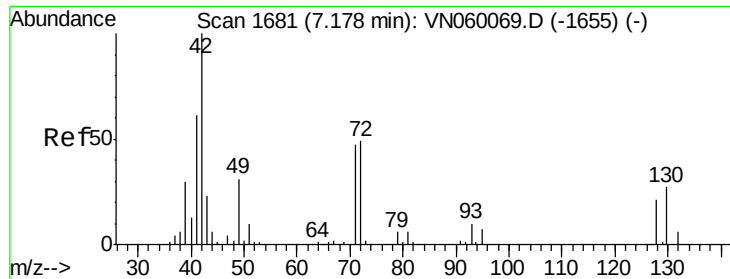
MMDadoda
 2/19/2020 5:05:55 PM



#28
 Bromochloromethane
 Concen: 50.583 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	2.2#	
130	81.9	66.8	100.2	





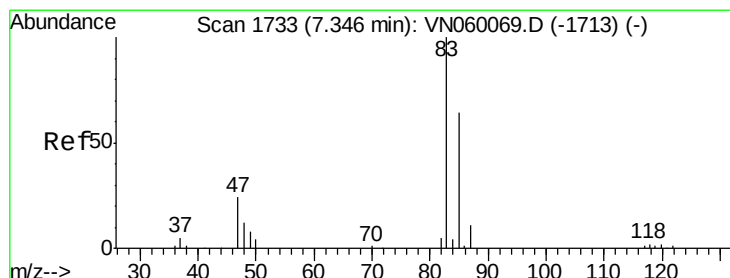
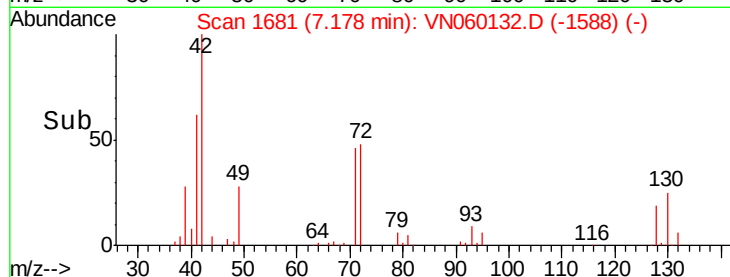
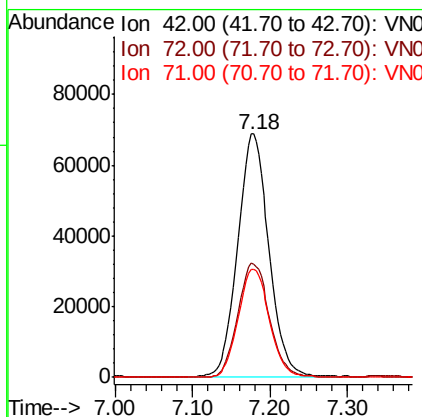
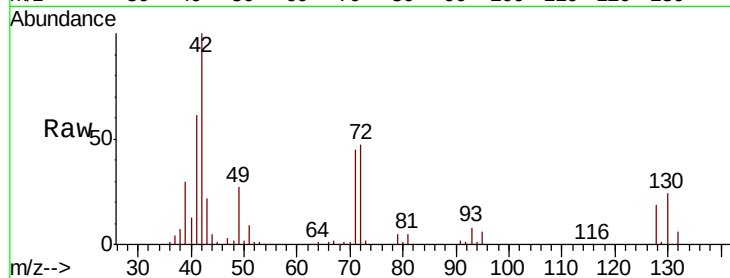
#29
Tetrahydrofuran
Concen: 266.335 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	38.2	57.4
71	44.4	36.6	54.8

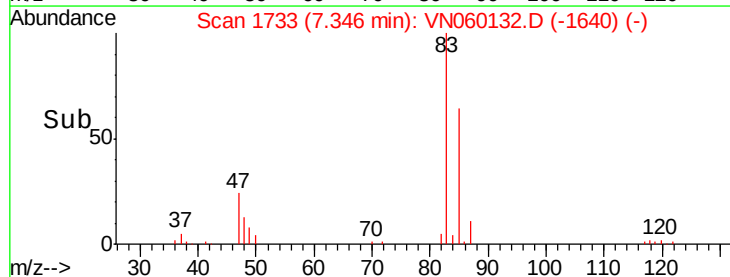
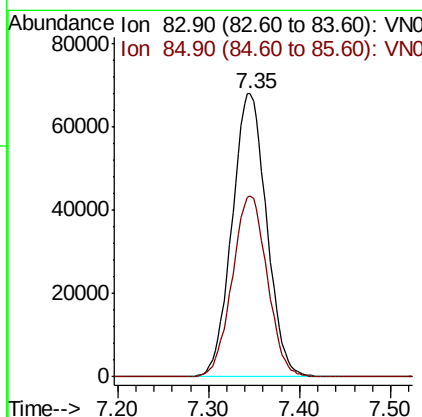
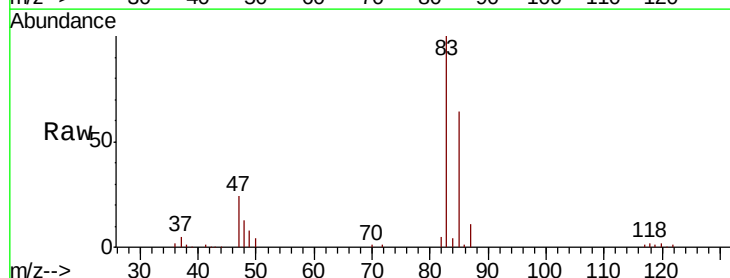
Manual Integrations
APPROVED

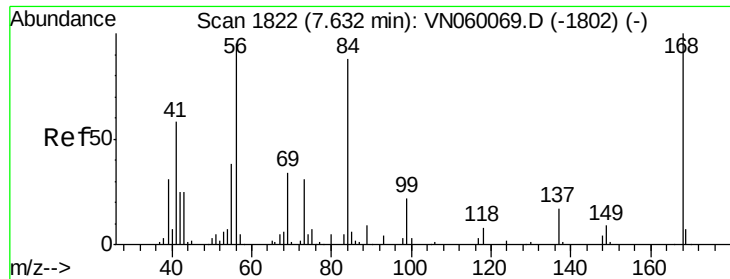
MMDadoda
2/19/2020 5:05:55 PM



#30
Chloroform
Concen: 52.163 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0





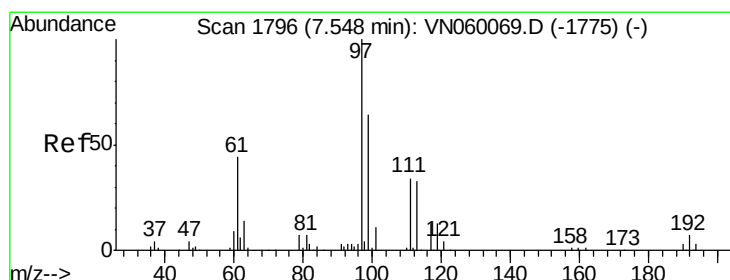
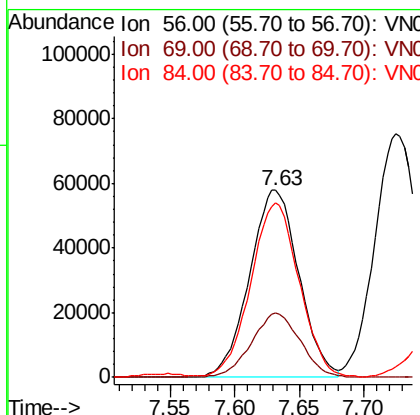
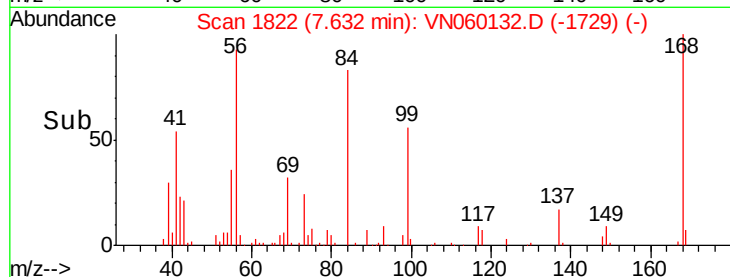
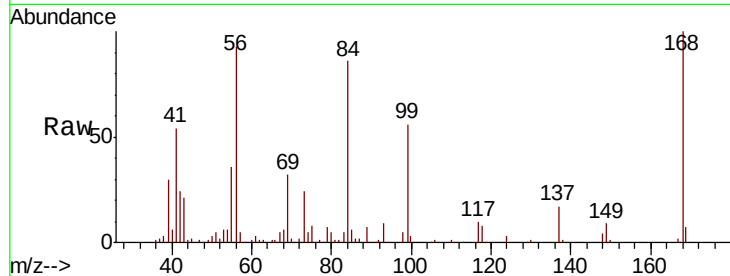
#31
Cyclohexane
Concen: 50.492 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	28.3	42.5
84	92.1	72.6	108.8

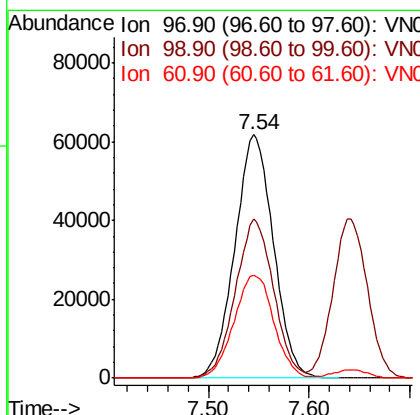
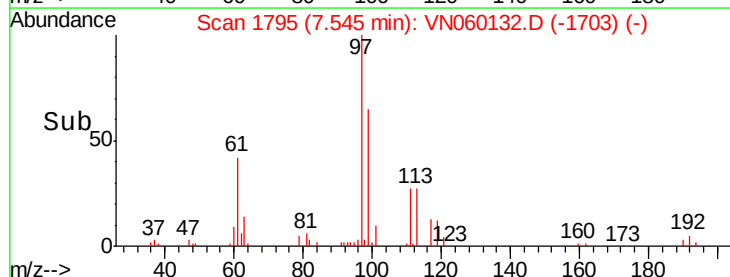
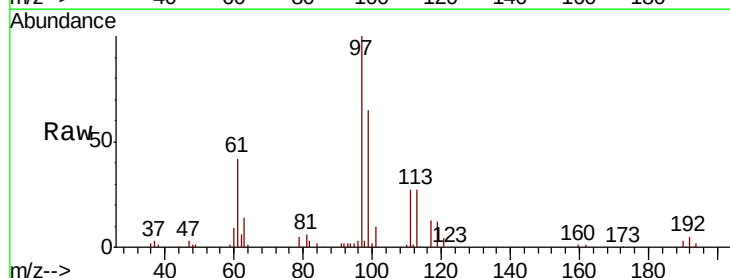
Manual Integrations
APPROVED

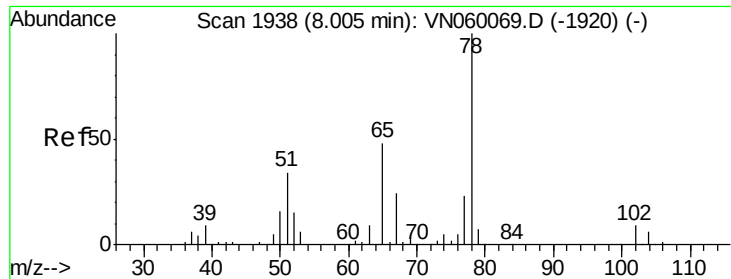
MMDadoda
2/19/2020 5:05:55 PM



#32
1,1,1-Trichloroethane
Concen: 52.144 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	43.8	34.9	52.3





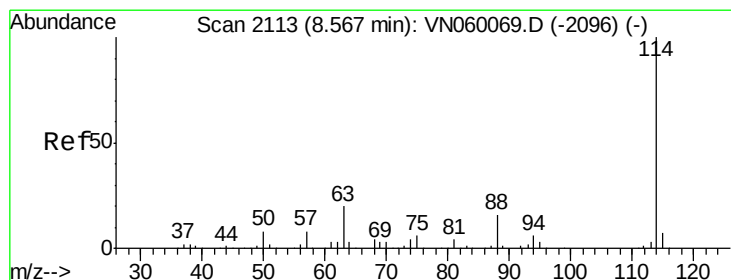
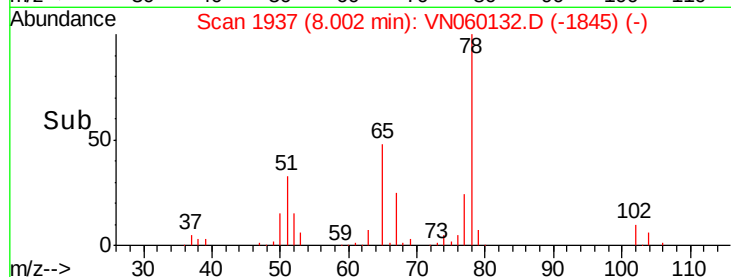
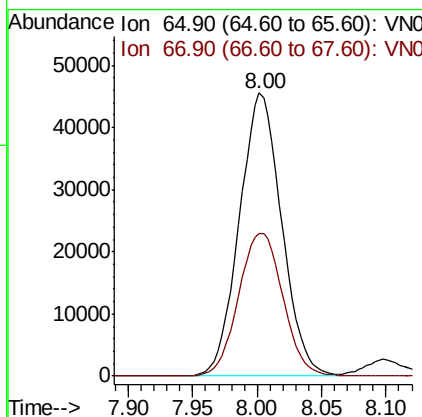
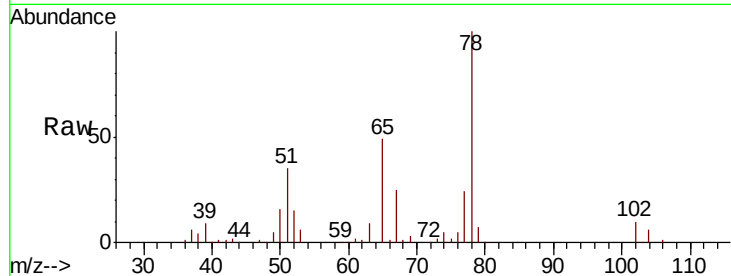
#33
 1,2-Dichloroethane-d4
 Concen: 48.176 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	104.0	

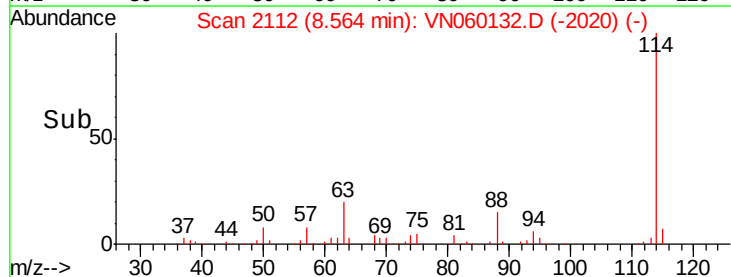
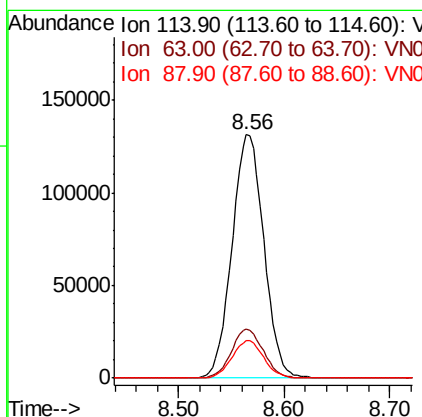
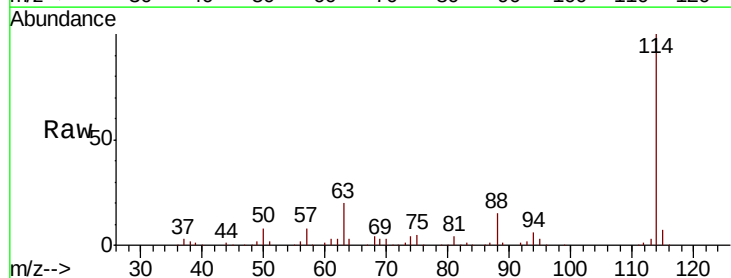
Manual Integrations
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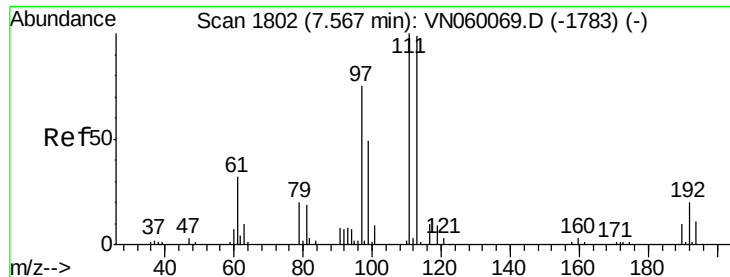
MMDadoda
 2/19/2020 5:05:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	40.0	
88	15.4	0.0	31.6	





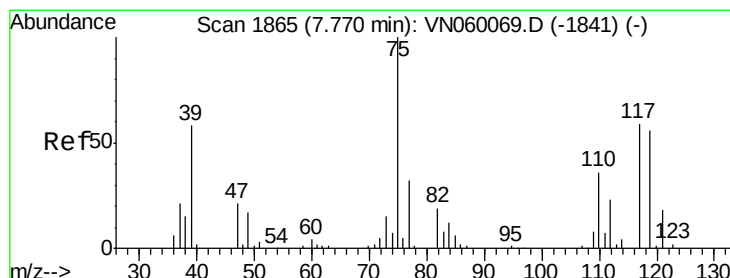
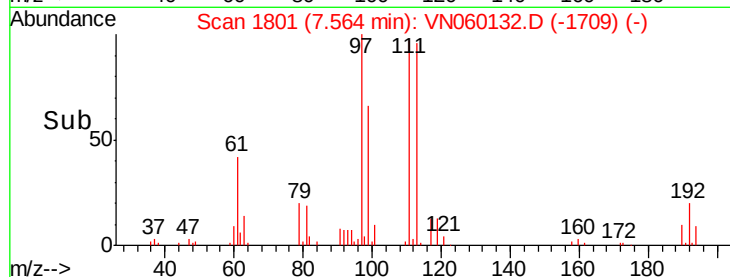
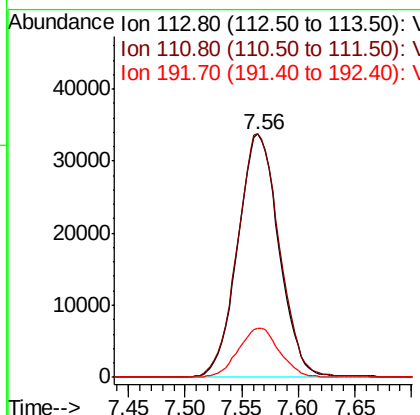
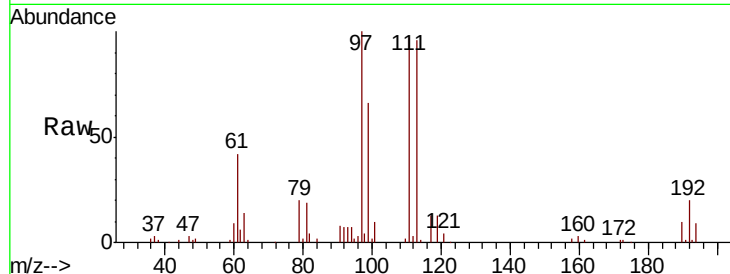
#35
 Dibromofluoromethane
 Concen: 50.458 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.4	122.2
192	20.1	16.2	24.2

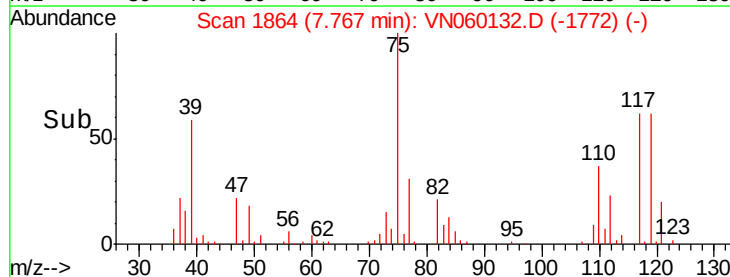
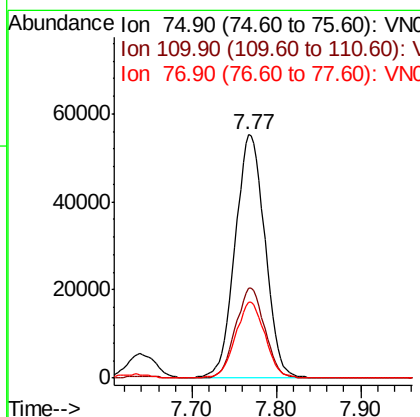
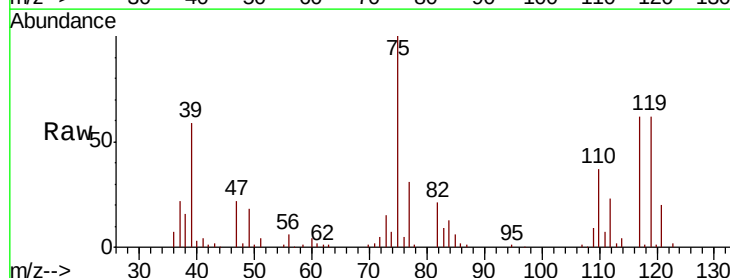
Manual Integrations
 APPROVED

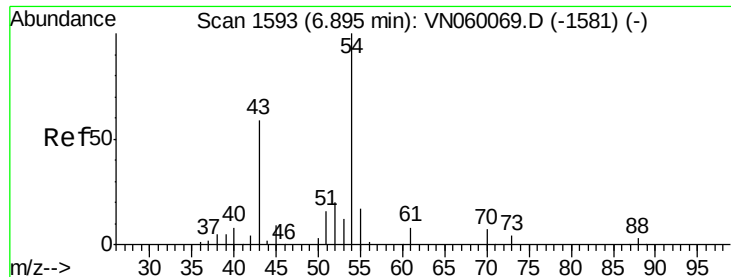
MMDadoda
 2/19/2020 5:05:55 PM



#36
 1,1-Dichloropropene
 Concen: 53.689 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.3
77	30.9	25.1	37.7





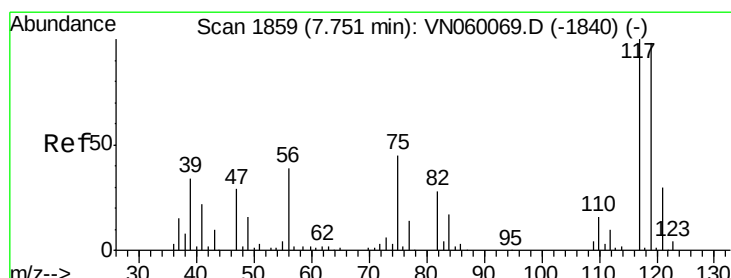
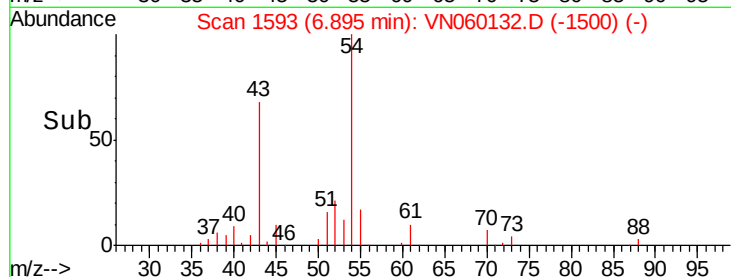
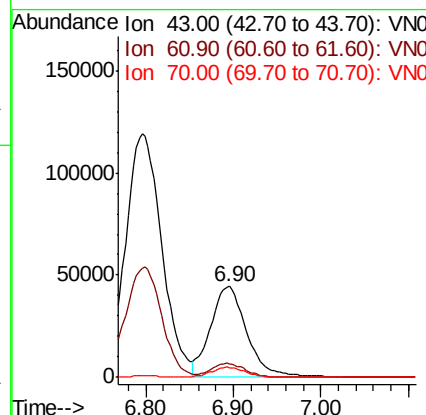
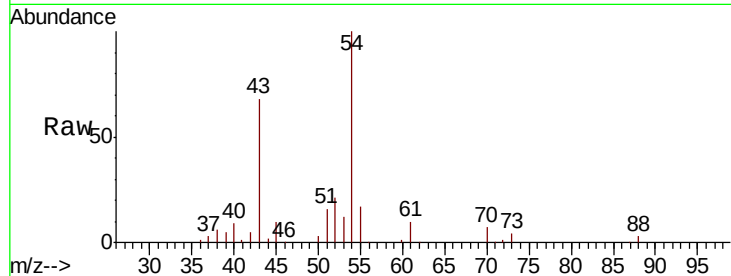
#37
Ethyl Acetate
Concen: 55.151 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.2
70	10.7	8.7	13.1

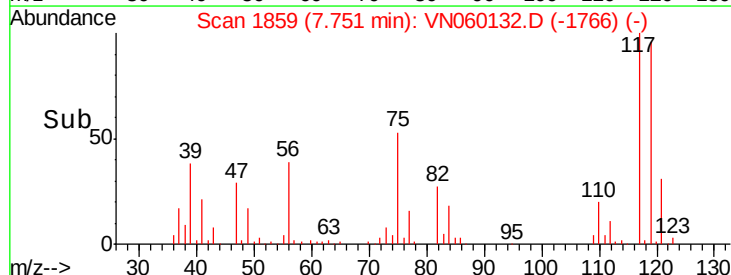
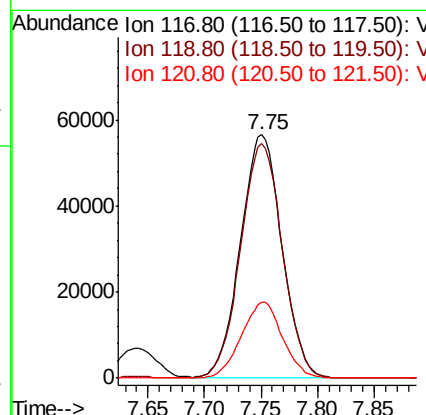
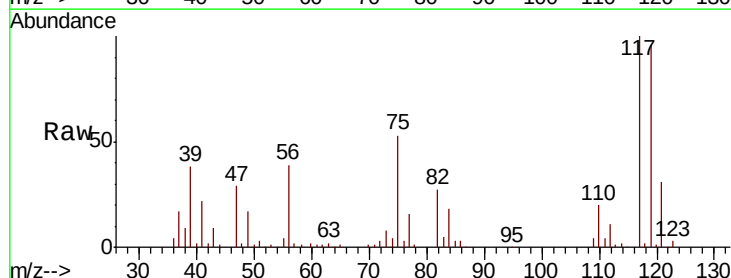
Manual Integrations
APPROVED

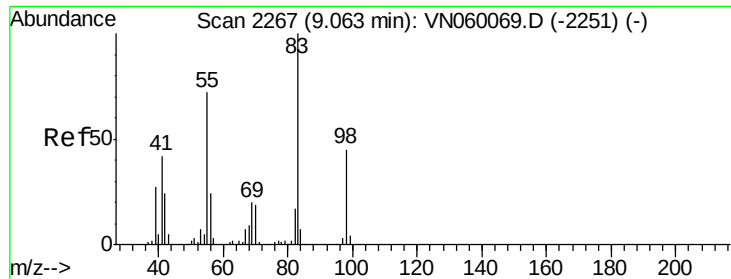
MMDadoda
2/19/2020 5:05:55 PM



#38
Carbon Tetrachloride
Concen: 52.210 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.2	117.4
121	31.0	24.2	36.2





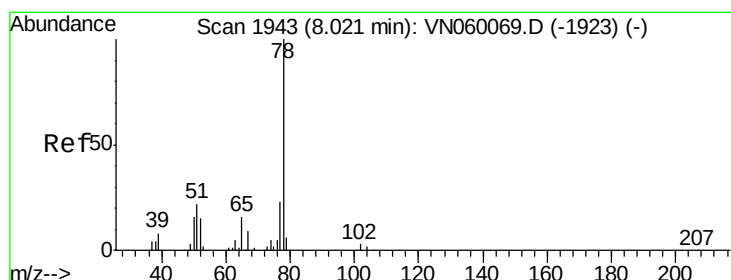
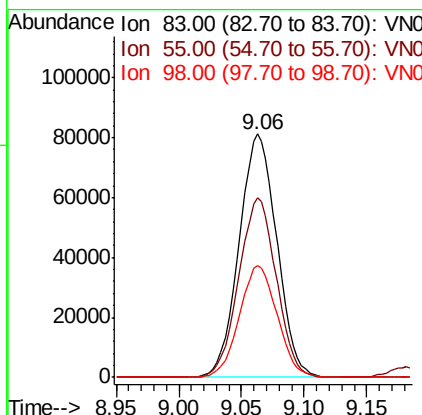
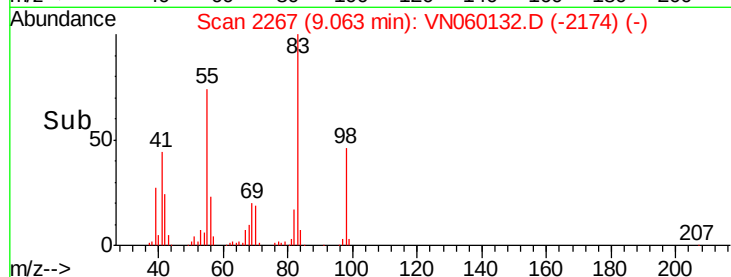
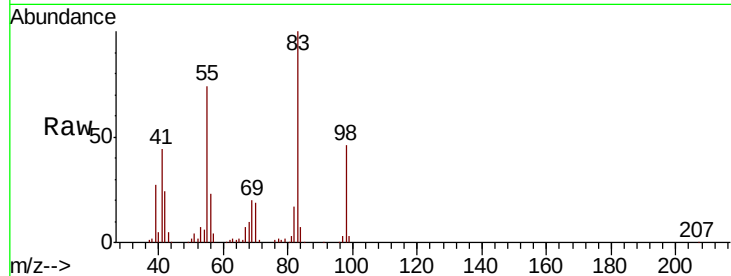
#39
Methylvlcyclohexane
Concen: 53.739 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	169853		
55	73.6		57.8	86.8
98	46.0		36.4	54.6

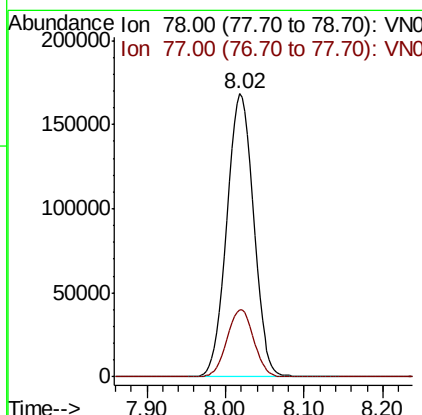
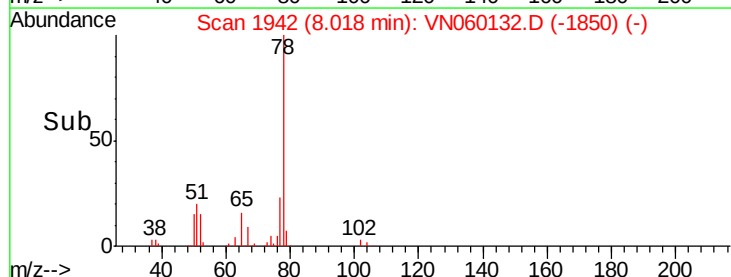
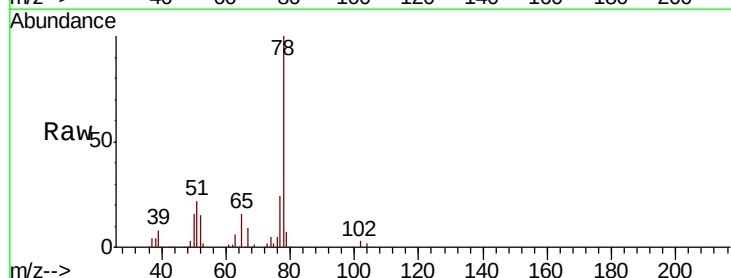
Manual Integrations
APPROVED

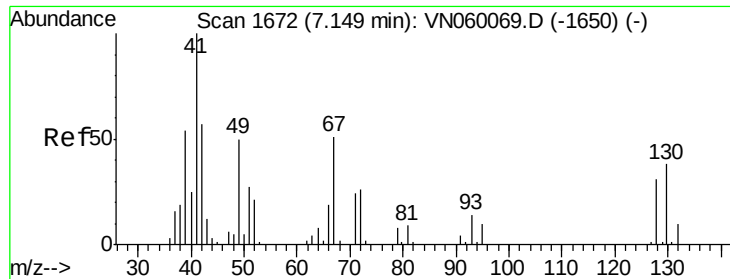
MMDadoda
2/19/2020 5:05:55 PM



#40
Benzene
Concen: 52.603 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	397311		
77	23.6		18.8	28.2





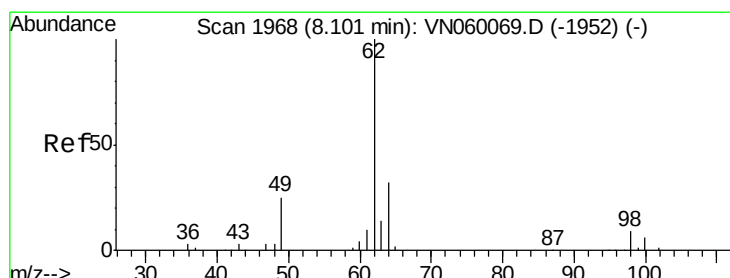
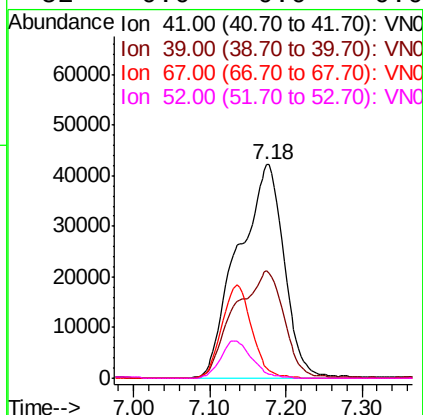
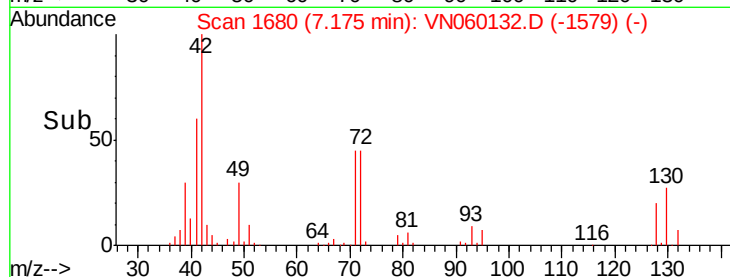
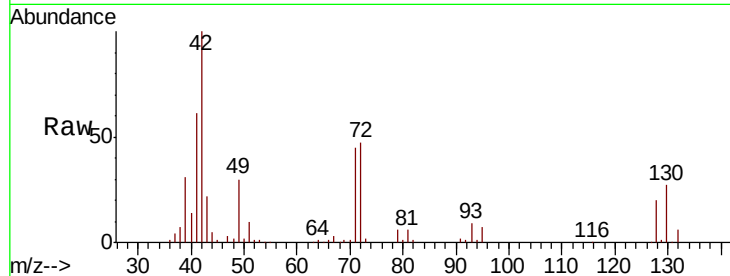
#41
Methacrylonitrile
Concen: 184.113 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

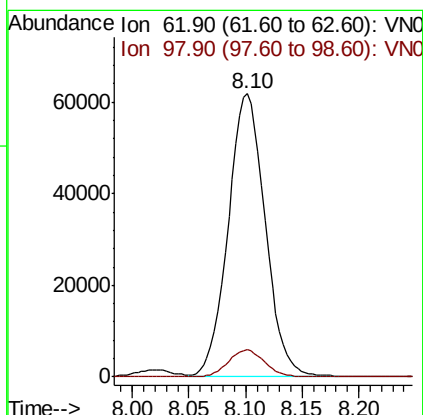
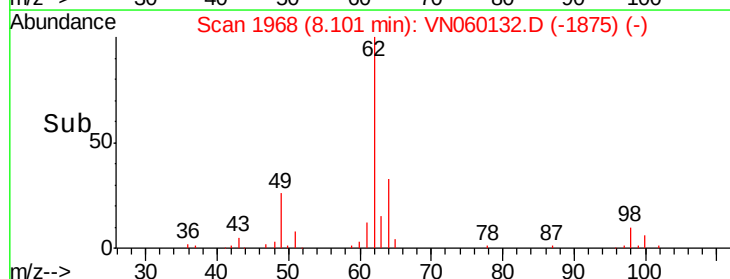
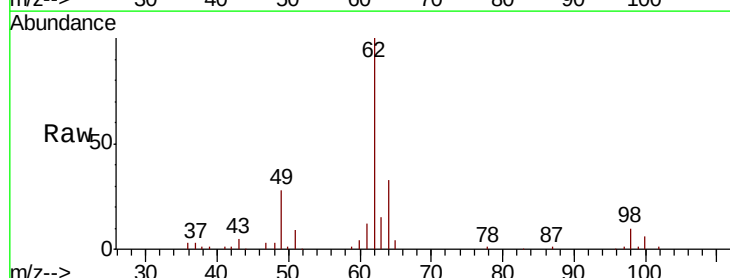
Manual Integrations
APPROVED

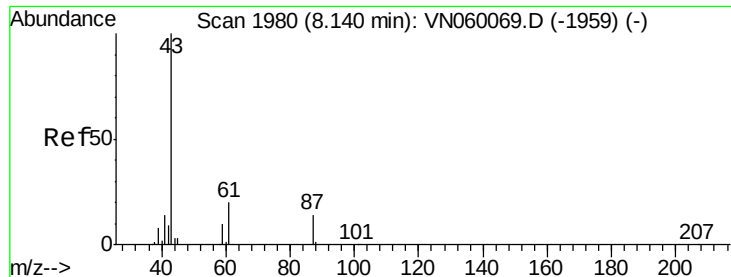
MMDadoda
2/19/2020 5:05:55 PM



#42
1,2-Dichloroethane
Concen: 53.017 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





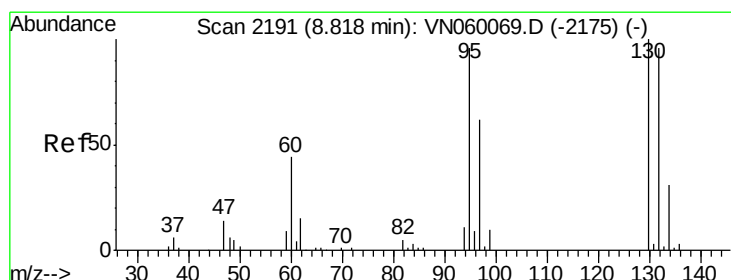
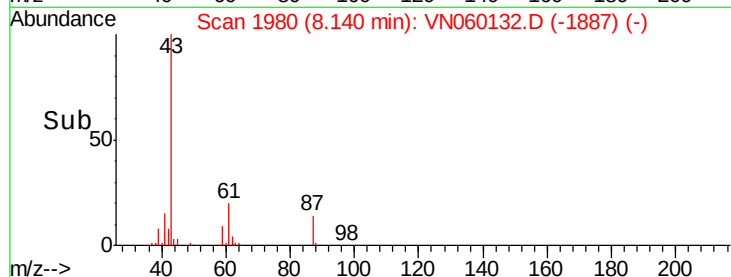
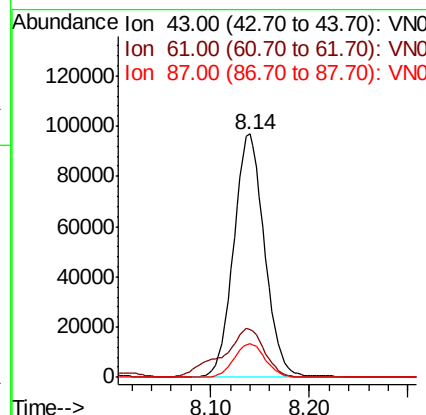
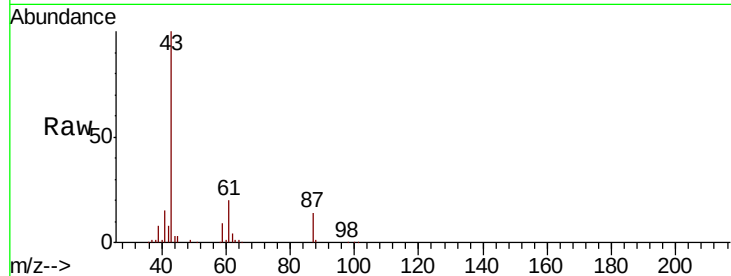
#43
Isopropyl Acetate
Concen: 53.790 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.8	32.6
87	14.0	11.4	17.2

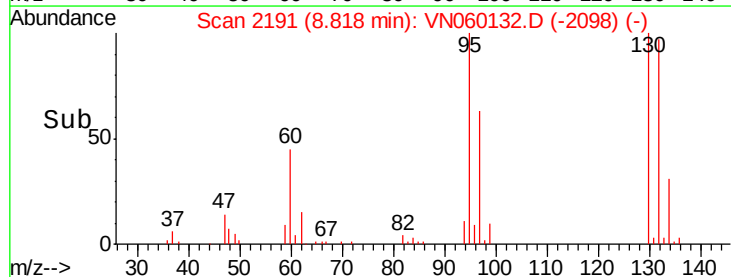
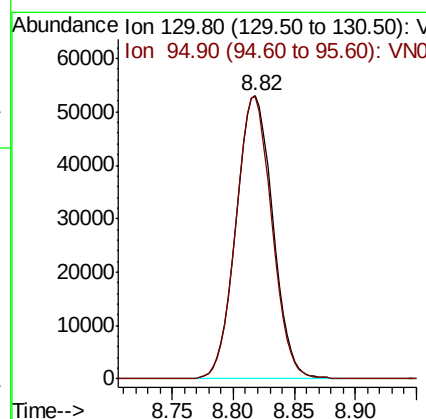
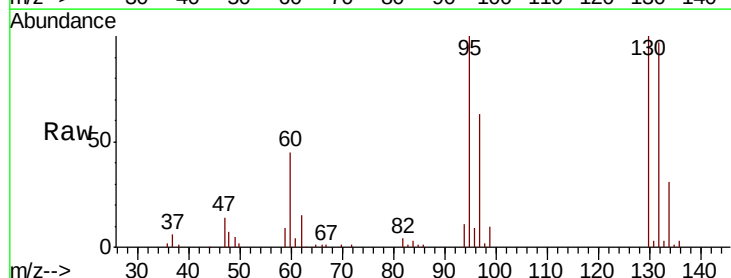
Manual Integrations
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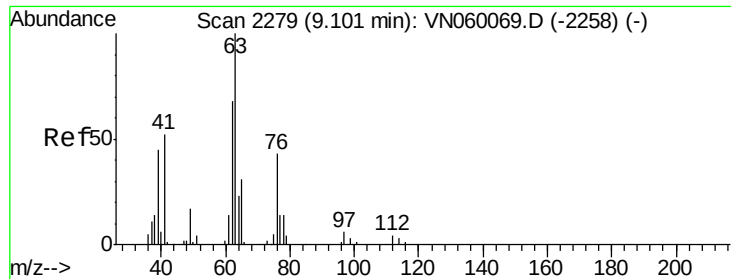
MMDadoda
2/19/2020 5:05:55 PM



#44
Trichloroethene
Concen: 52.885 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	192.4





#45

1,2-Dichloropropane

Concen: 54.633 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 102160

Ion Ratio Lower Upper

63 100

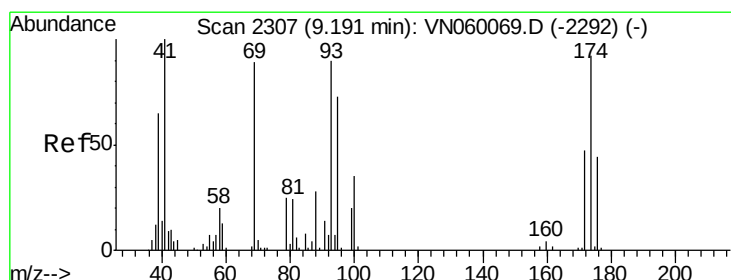
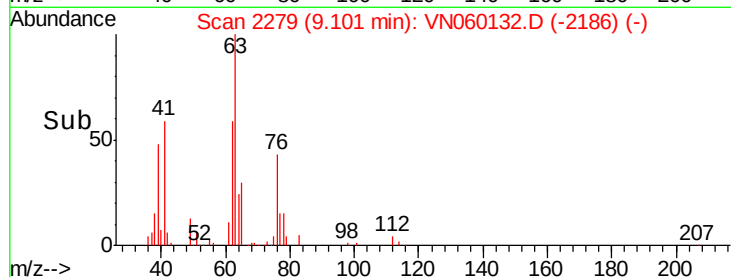
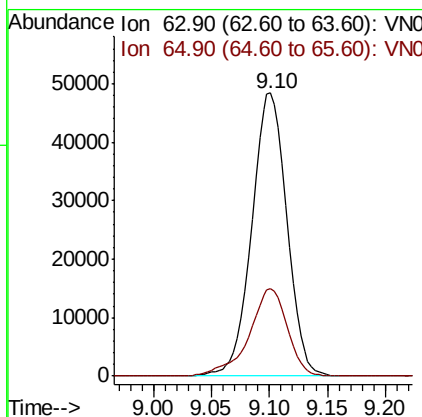
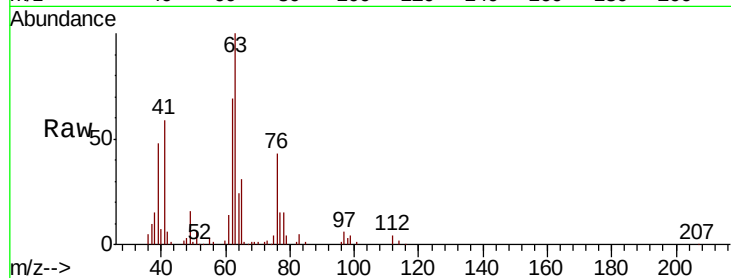
65 31.1 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 53.528 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

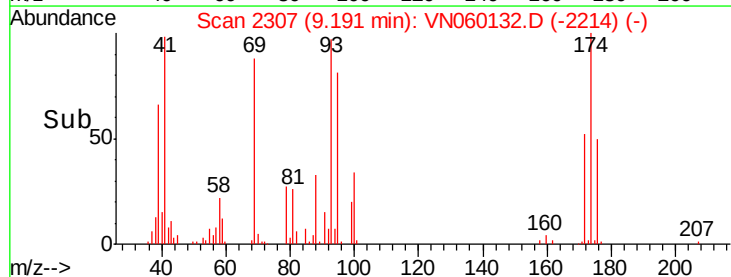
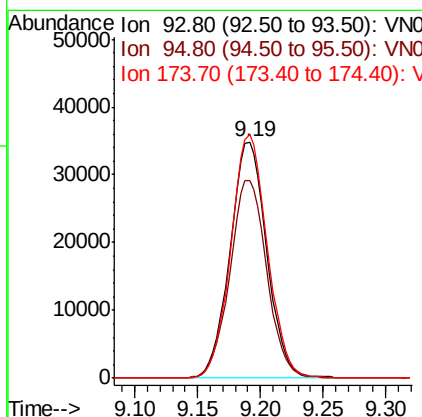
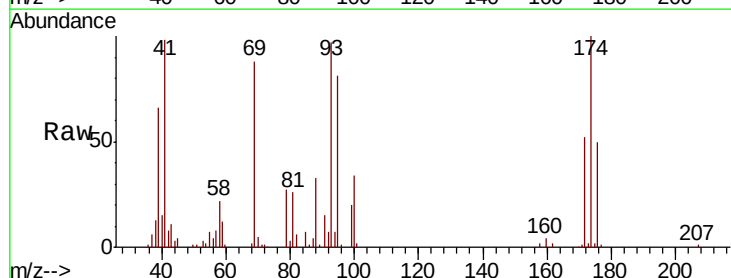
Tgt Ion: 93 Resp: 70734

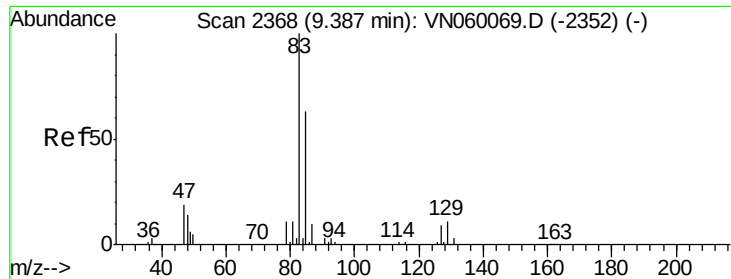
Ion Ratio Lower Upper

93 100

95 84.5 65.0 97.6

174 102.2 82.3 123.5





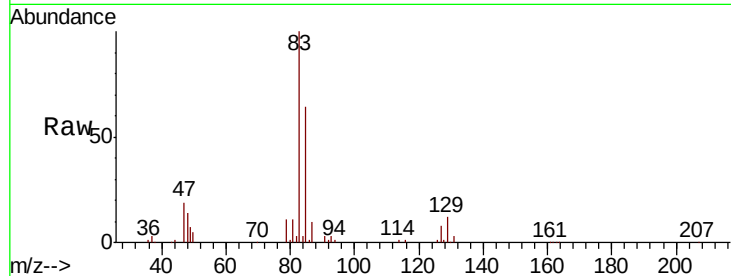
#47
Bromodichloromethane
Concen: 54.077 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	145281		
85	63.9	50.6	75.8	
127	8.2	7.0	10.6	

Manual Integrations
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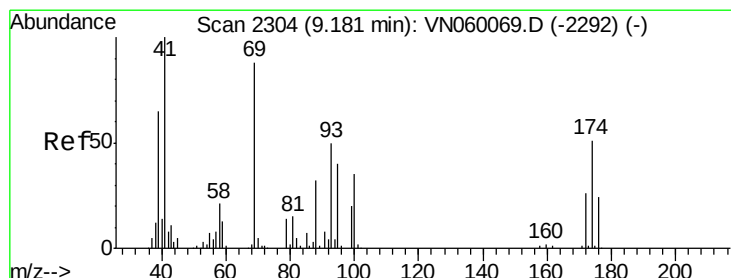
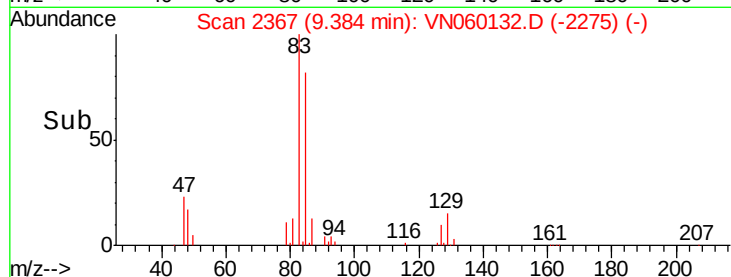
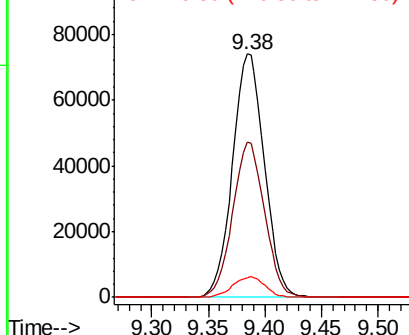


Abundance

Ion 82.90 (82.60 to 83.60): VN060132.D (-2275) (-)

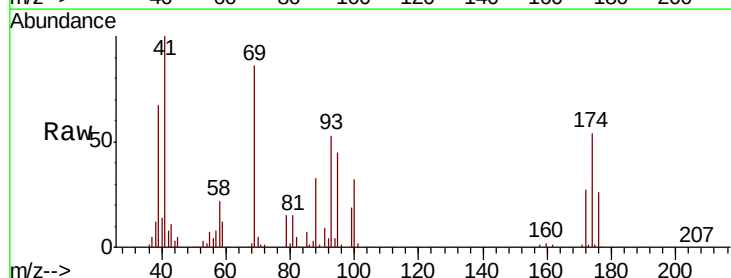
Ion 84.90 (84.60 to 85.60): VN060132.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060132.D (-2275) (-)



#48
Methyl methacrylate
Concen: 53.391 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	94231		
69	90.0	72.0	108.0	
39	66.9	54.1	81.1	

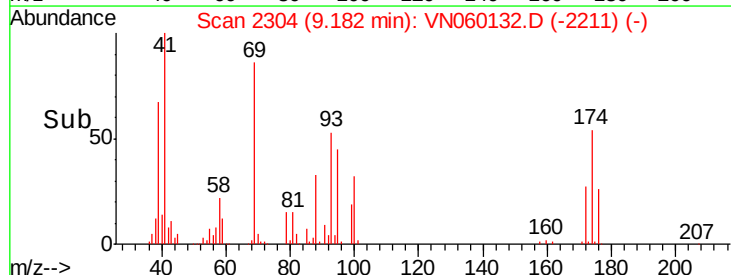
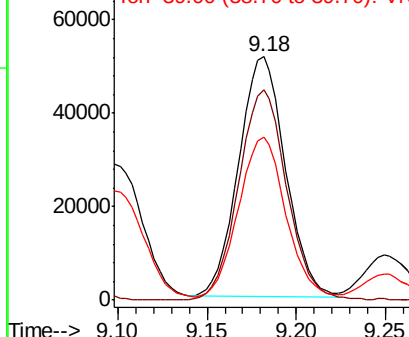


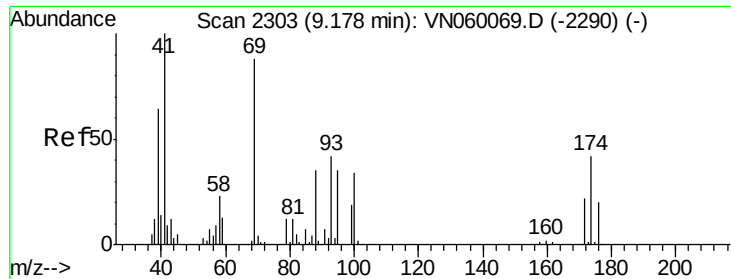
Abundance

Ion 41.00 (40.70 to 41.70): VN060132.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060132.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060132.D (-2211) (-)





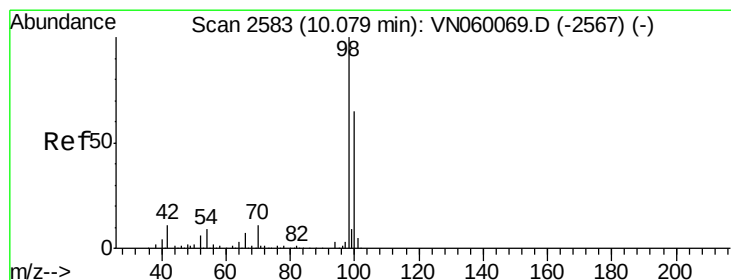
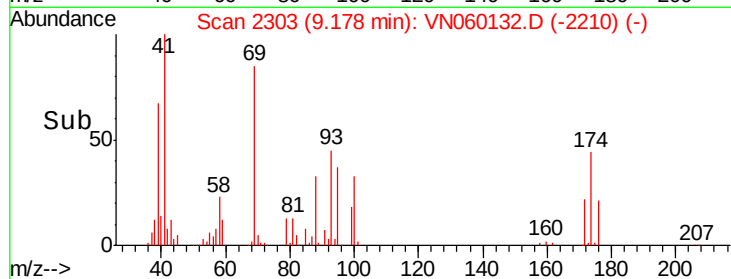
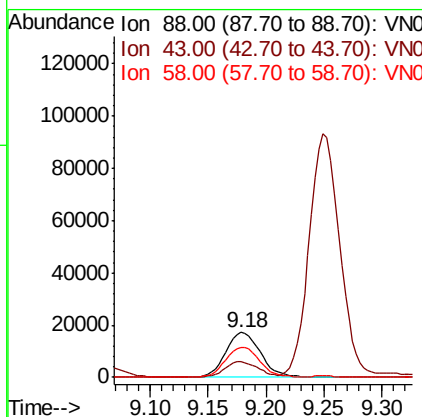
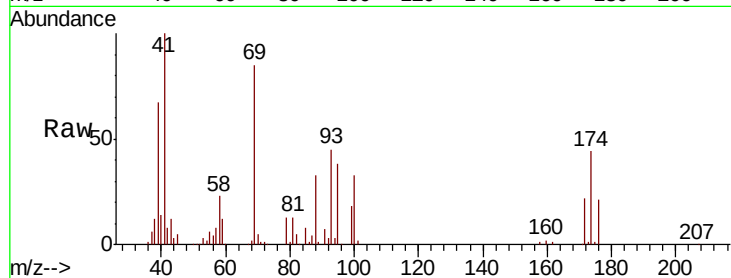
#49
1,4-Dioxane
Concen: 1196.805 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.2	39.2
58	65.4	53.2	79.8

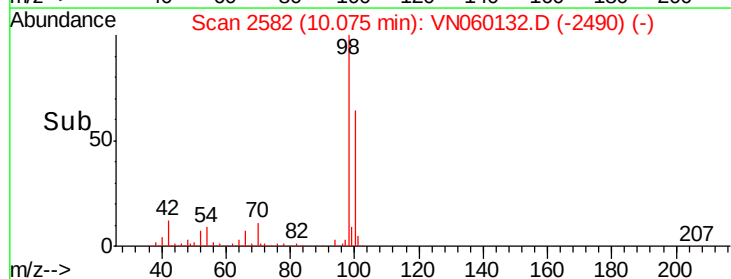
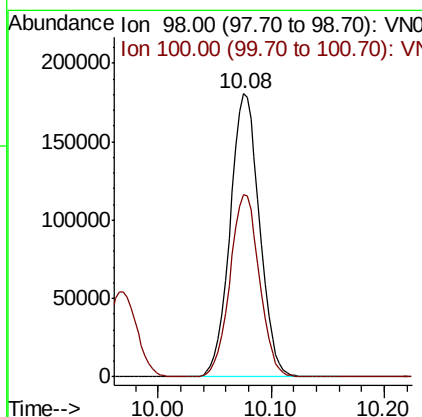
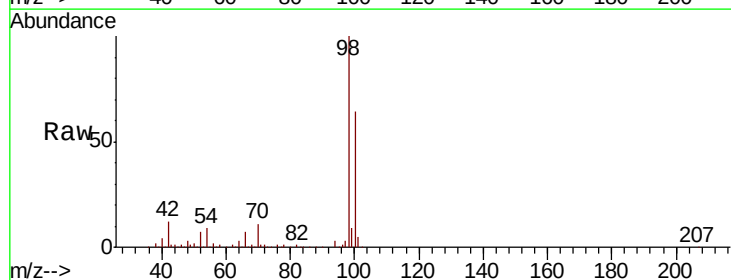
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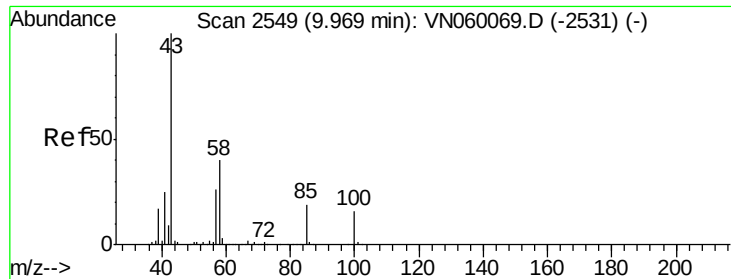
MMDadoda
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#50
Toluene-d8
Concen: 49.061 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 276.624 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 629842

Ion Ratio Lower Upper

43 100

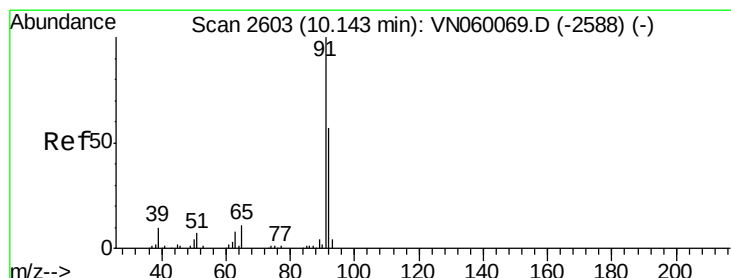
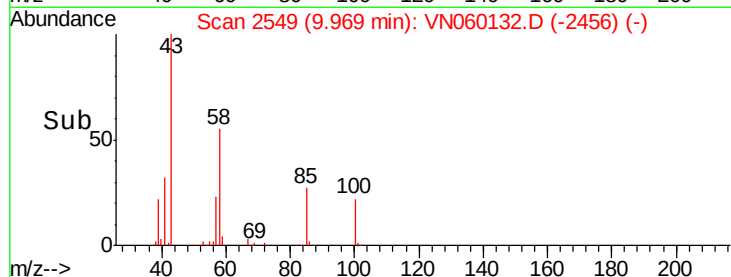
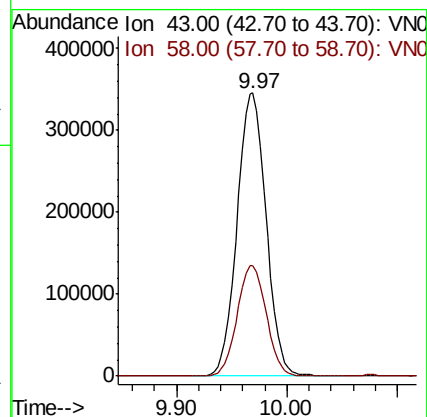
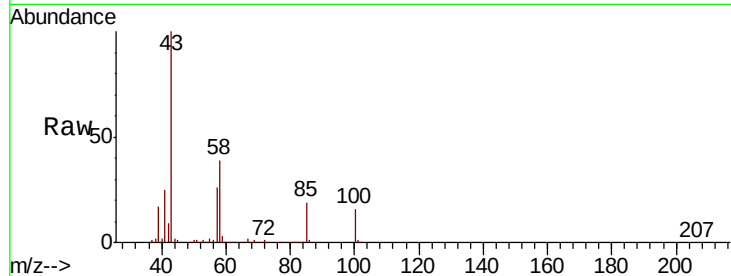
58 39.3 31.8 47.8

Manual Integrations

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#52

Toluene

Concen: 52.864 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060132.D

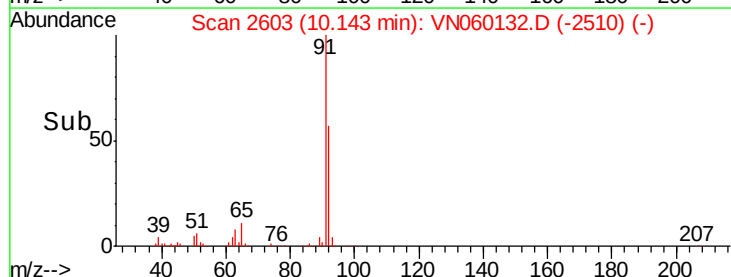
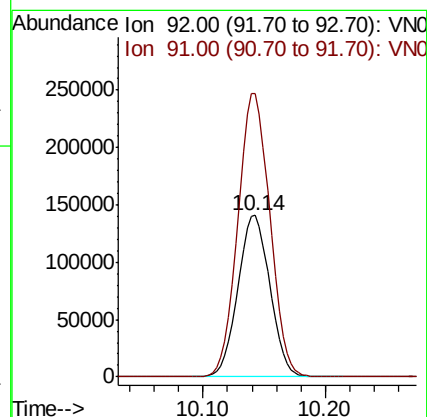
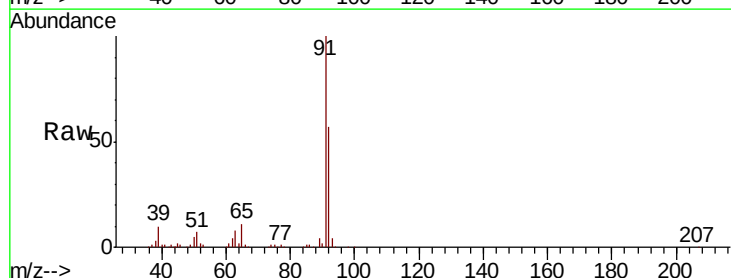
Acq: 18 Feb 2020 9:57

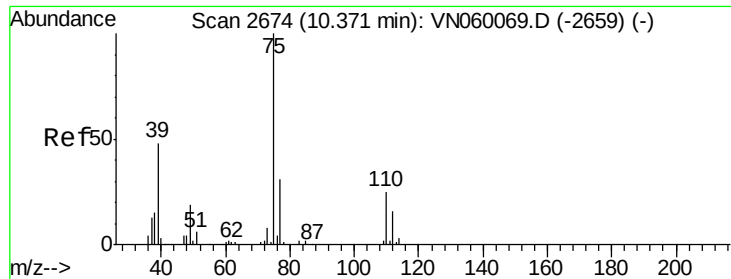
Tgt Ion: 92 Resp: 256045

Ion Ratio Lower Upper

92 100

91 175.9 140.9 211.3





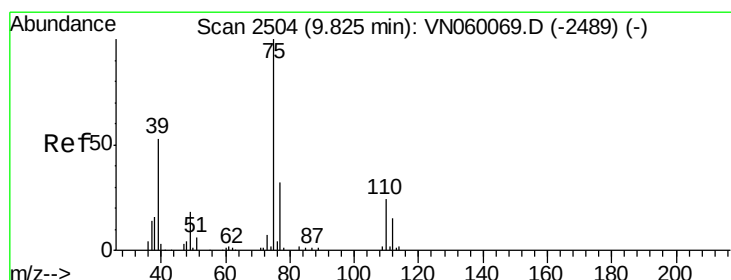
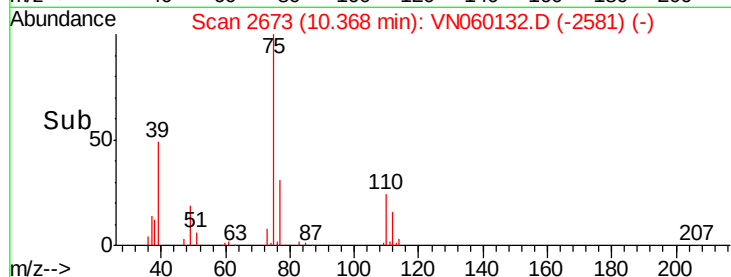
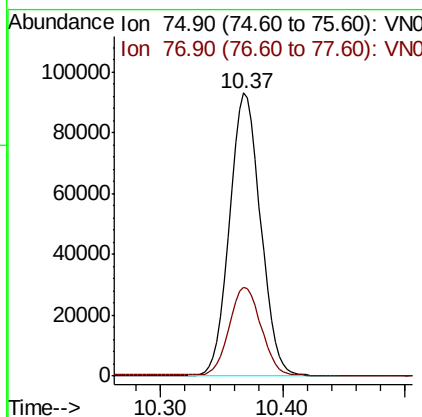
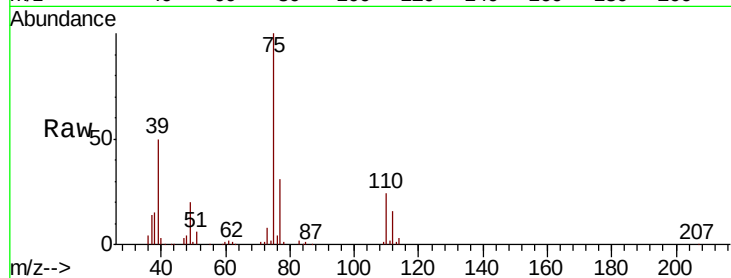
#53
t-1,3-Dichloropropene
Concen: 54.559 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 165449
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.0

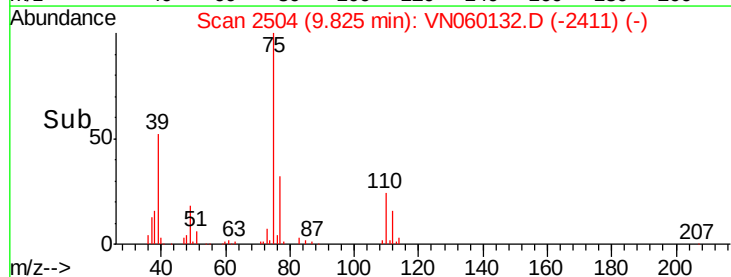
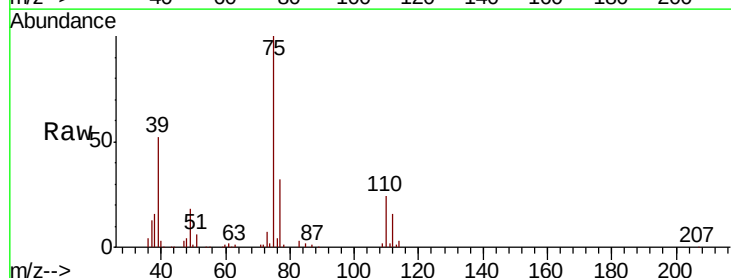
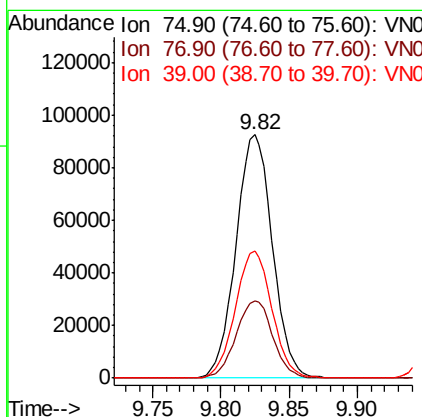
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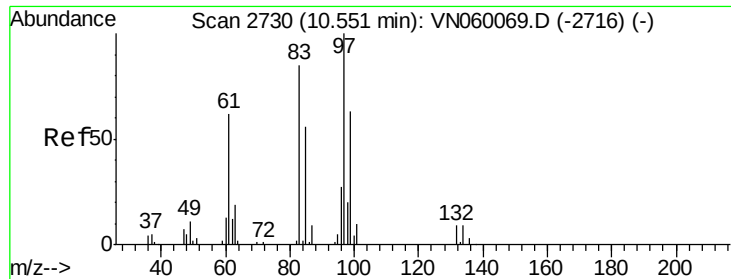
MMDadoda
2/19/2020 5:05:55 PM



#54
cis-1,3-Dichloropropene
Concen: 53.899 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion: 75 Resp: 172113
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4
39 52.4 42.2 63.4





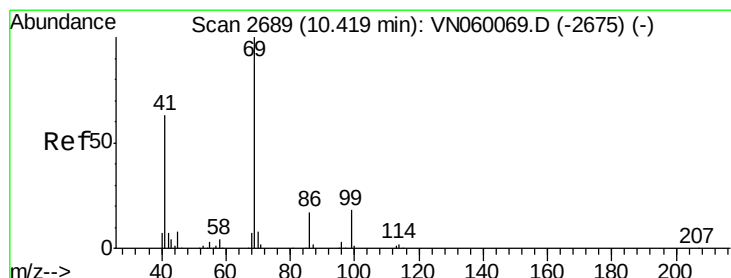
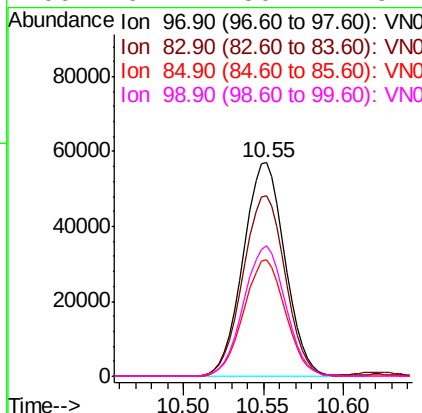
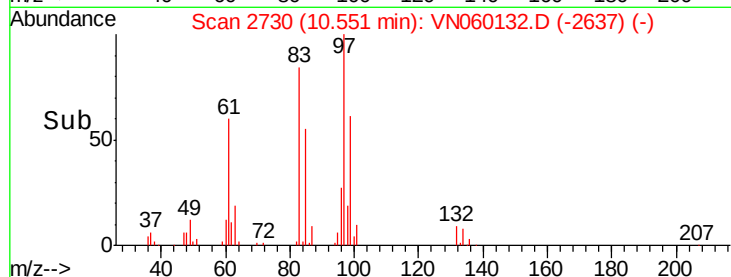
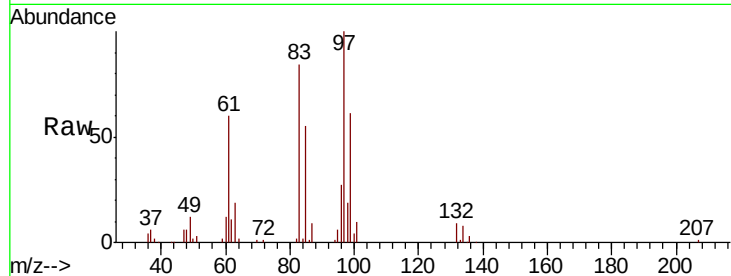
#55
 1,1,2-Trichloroethane
 Concen: 53.941 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	101926
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.9	101.9
85	54.5	44.6	67.0
99	61.1	50.1	75.1

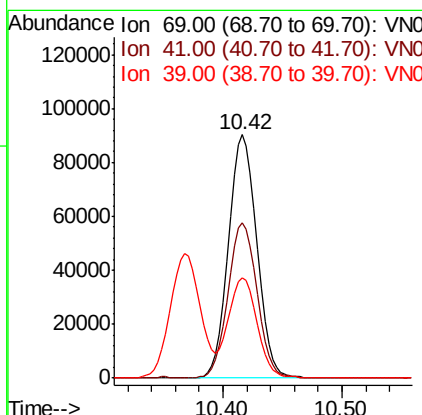
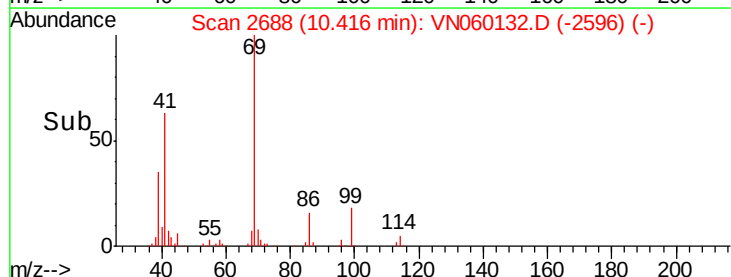
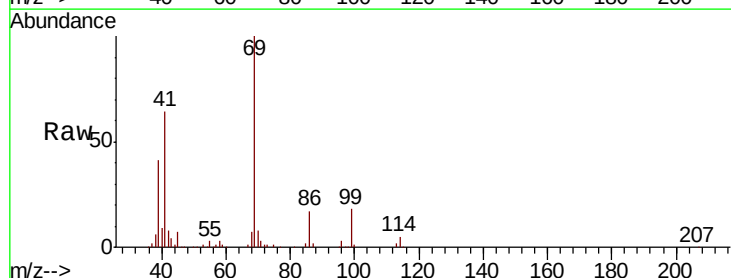
Manual Integrations
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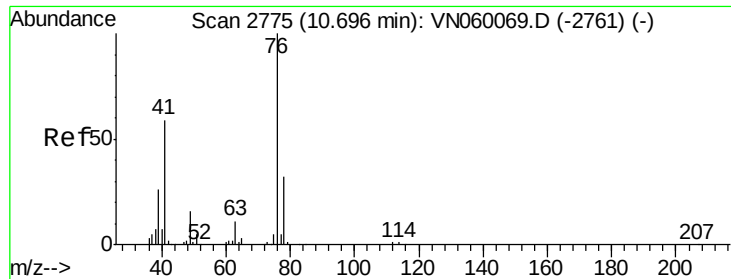
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#56
 Ethyl methacrylate
 Concen: 55.907 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Tgt Ion:	69	Resp:	149442
Ion	Ratio	Lower	Upper
69	100		
41	64.7	51.1	76.7
39	42.3	33.8	50.8





#57

1,3-Dichloropropane

Concen: 53.749 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 167584

Ion Ratio Lower Upper

76 100

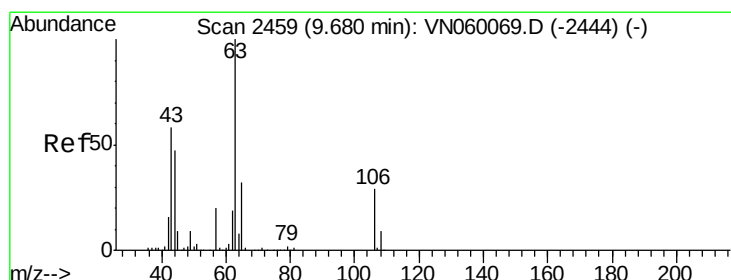
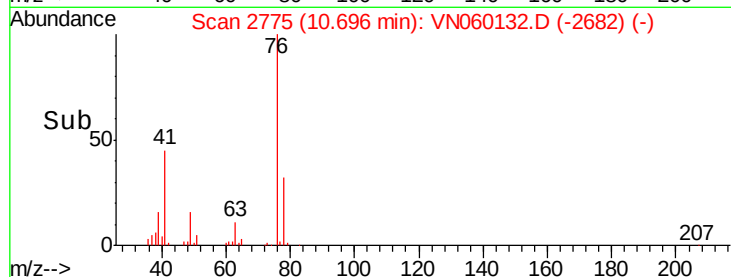
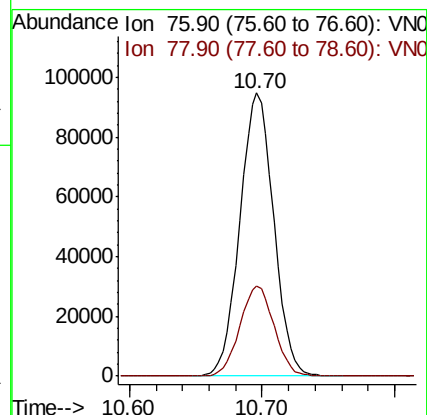
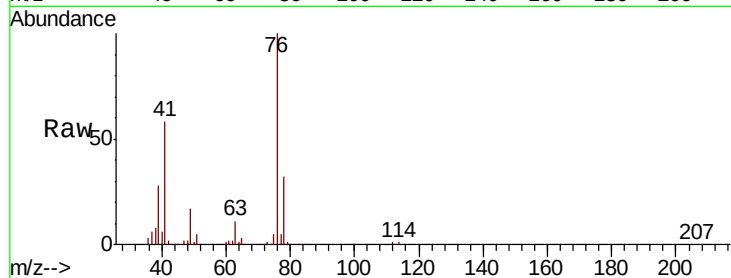
78 32.1 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 303.196 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060132.D

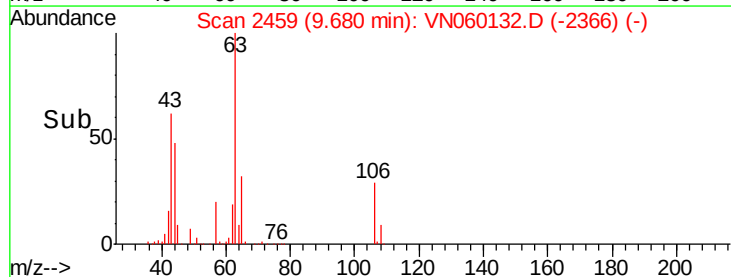
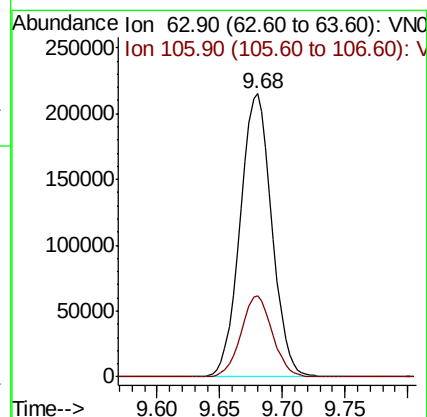
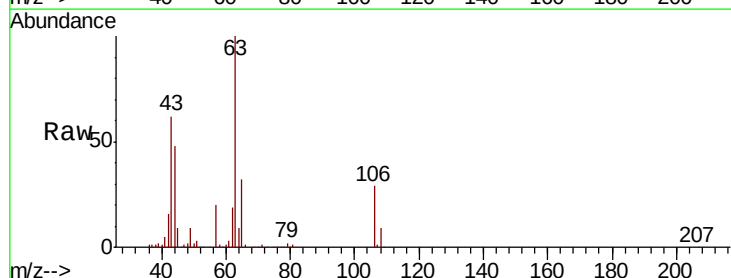
Acq: 18 Feb 2020 9:57

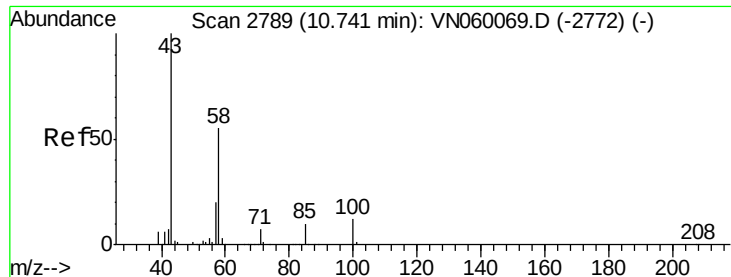
Tgt Ion: 63 Resp: 377565

Ion Ratio Lower Upper

63 100

106 28.3 22.9 34.3





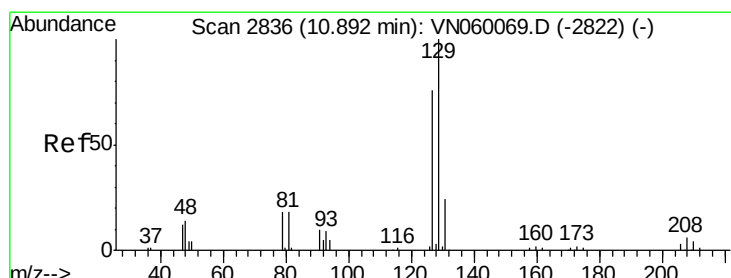
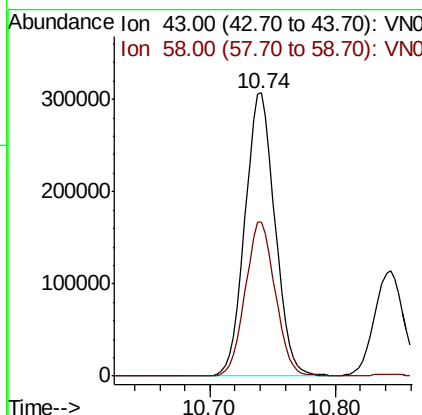
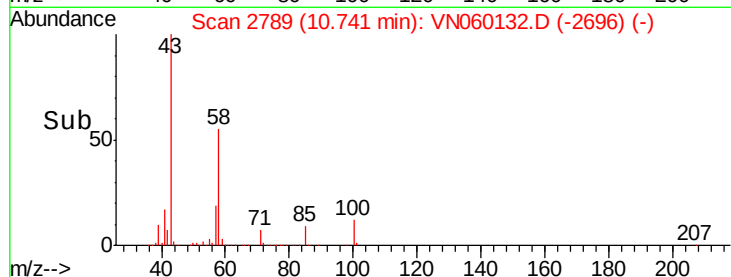
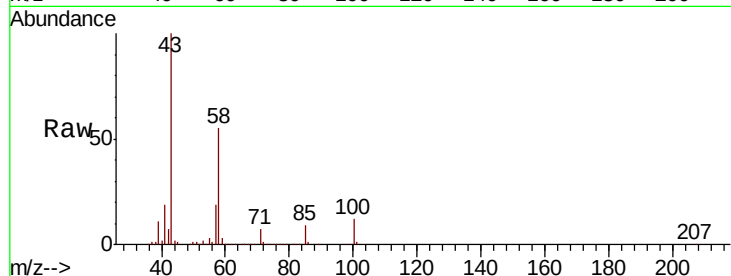
#59
2-Hexanone
Concen: 290.731 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	511349
Ion	Ratio	Lower	Upper
43	100		
58	54.7	27.5	82.4

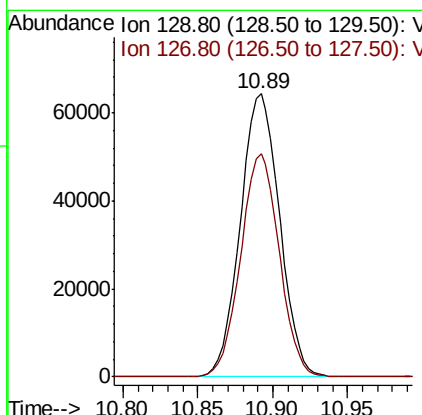
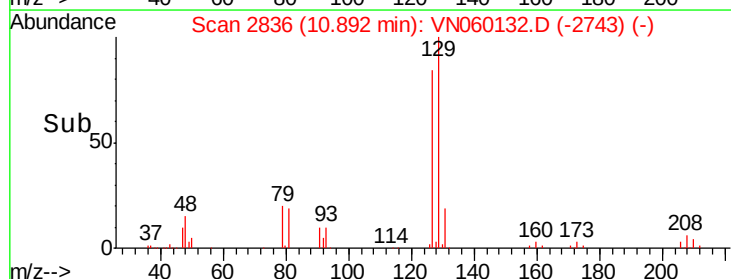
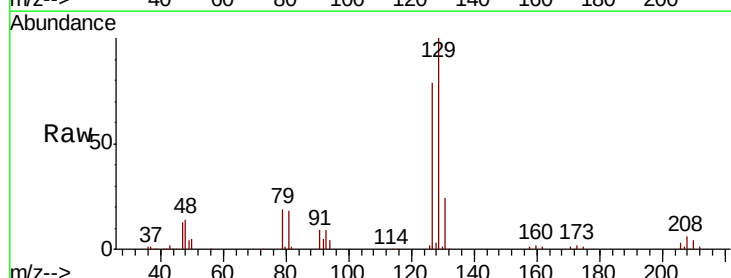
Manual Integrations
APPROVED

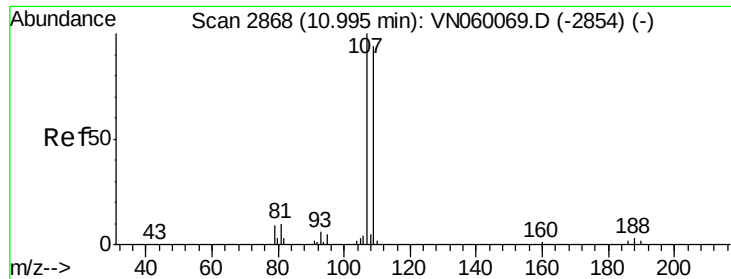
MMDadoda
2/19/2020 5:05:55 PM



#60
Dibromochloromethane
Concen: 54.217 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	129	Resp	117562
Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.0	114.1





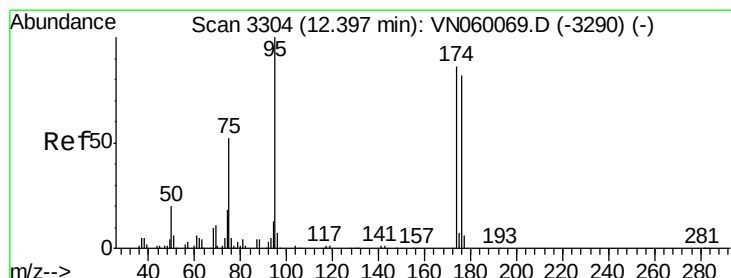
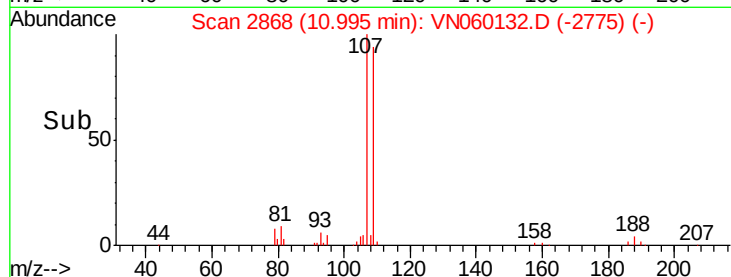
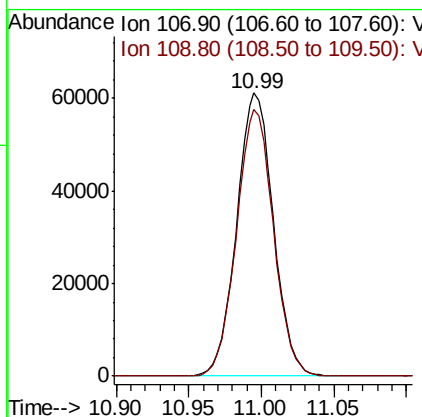
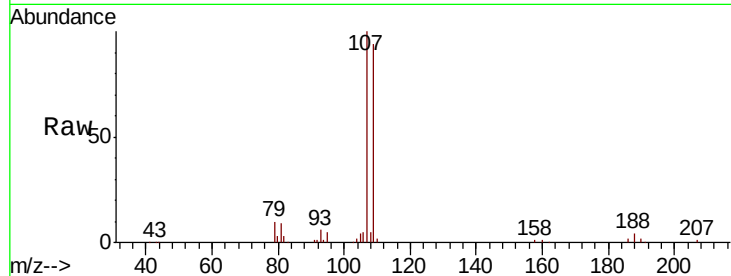
#61
 1,2-Dibromoethane
 Concen: 54.292 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.0

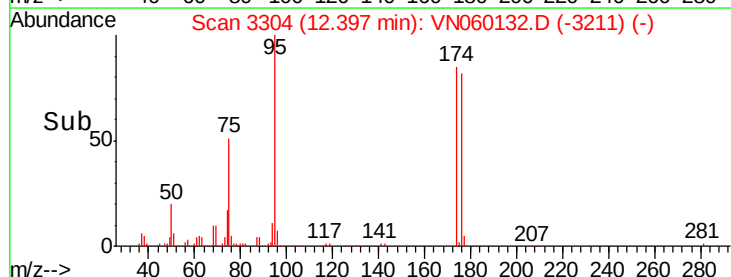
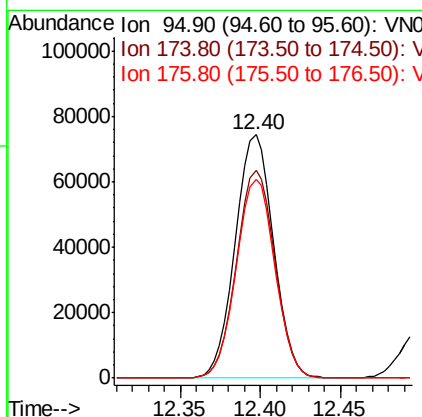
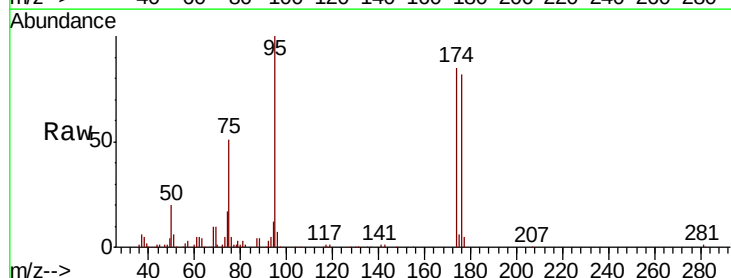
Manual Integrations
 APPROVED

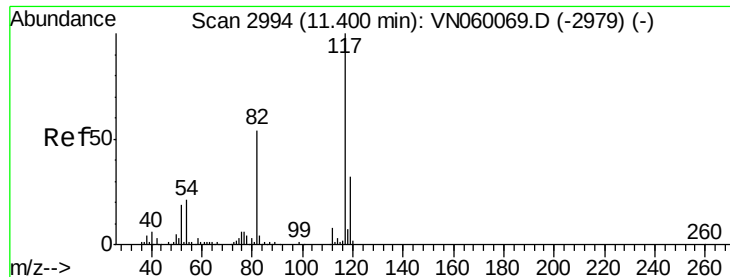
MMDadoda
 2/19/2020 5:05:55 PM



#62
 4-Bromofluorobenzene
 Concen: 49.589 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	169.8
176	82.8	0.0	164.8





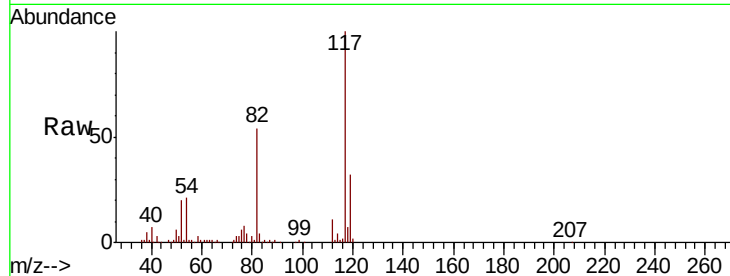
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258819		
82	53.7	43.4	65.0	
119	32.2	25.8	38.6	

Manual Integrations
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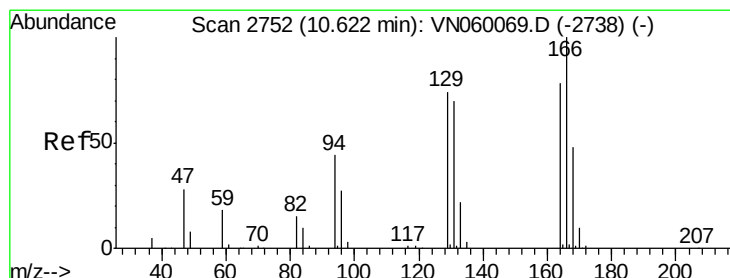
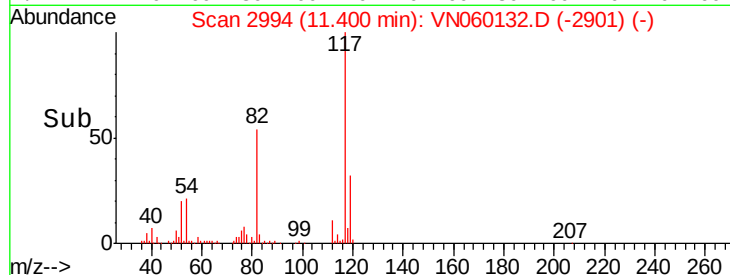
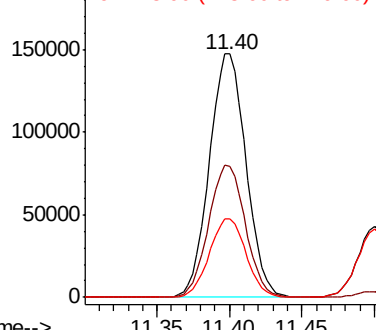


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.272 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102845		
166	127.6	101.9	152.9	
129	90.6	75.4	113.0	
131	88.3	71.4	107.2	

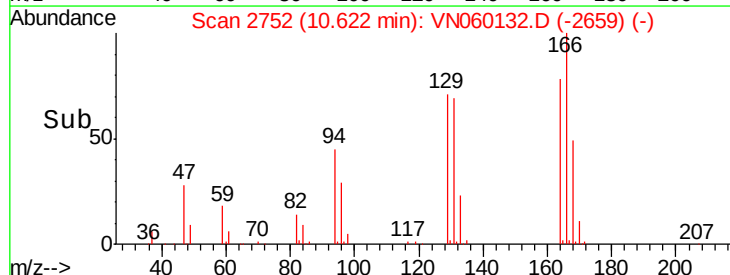
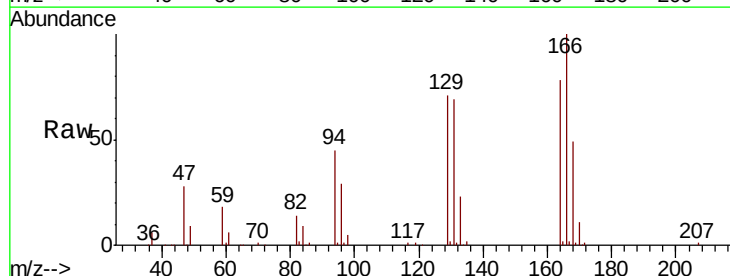
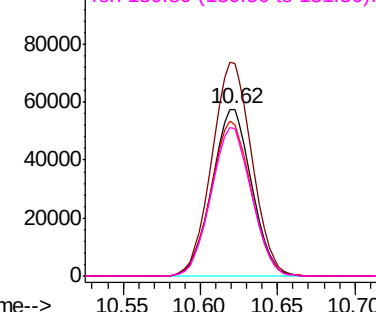
Abundance

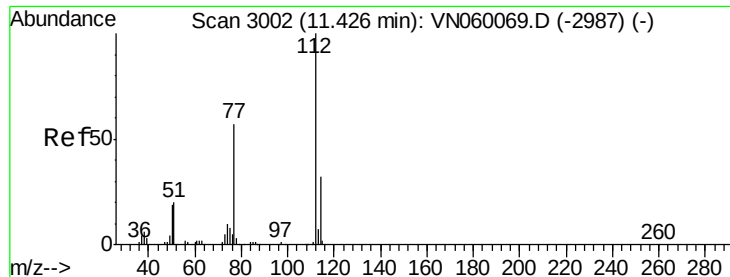
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 52.163 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 275060

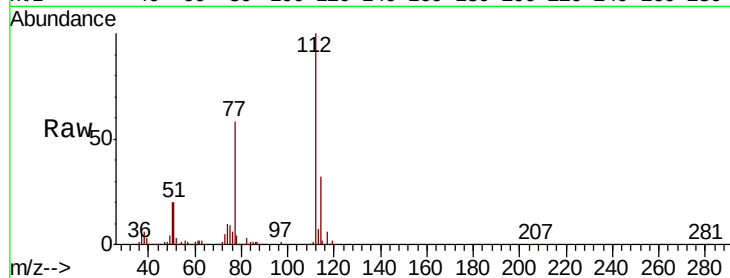
Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.0

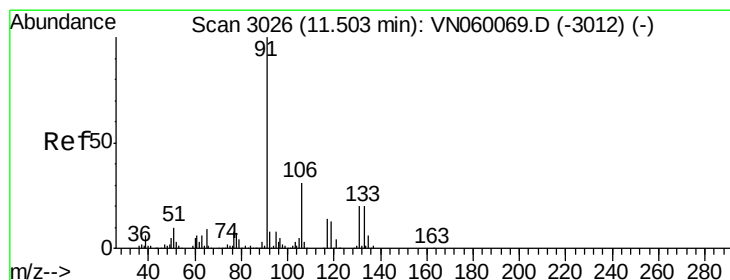
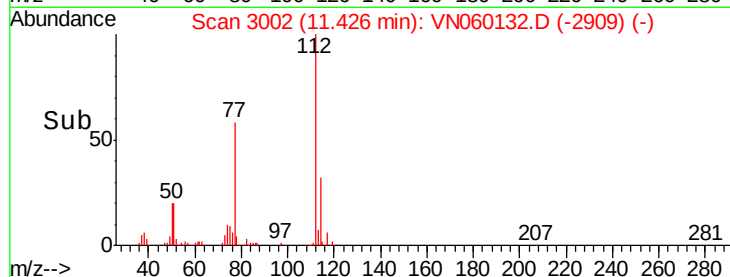
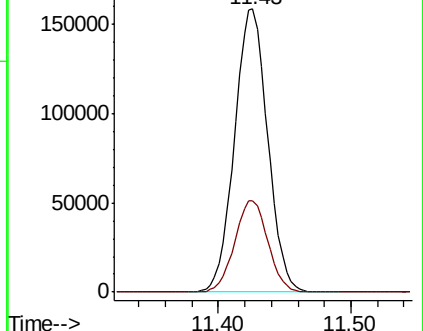
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.889 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

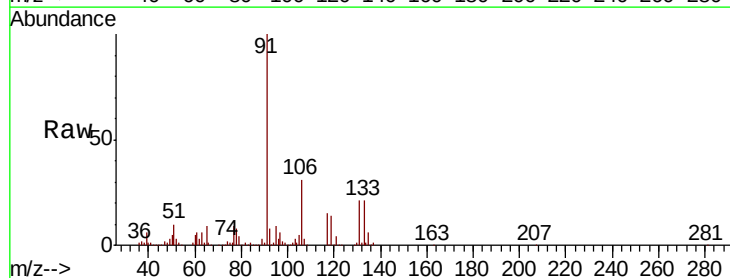
Tgt Ion:131 Resp: 107497

Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.7

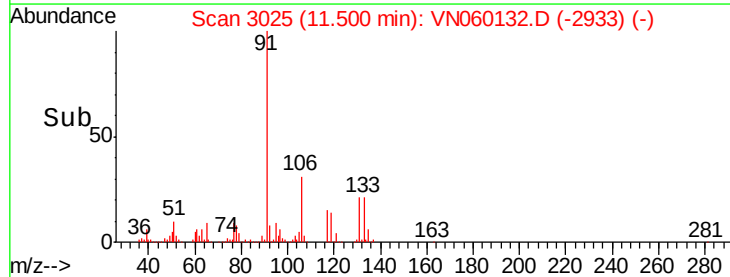
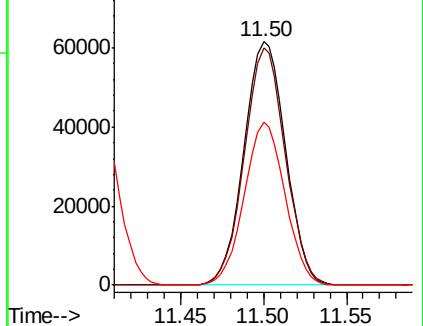
119 65.8 32.6 97.7

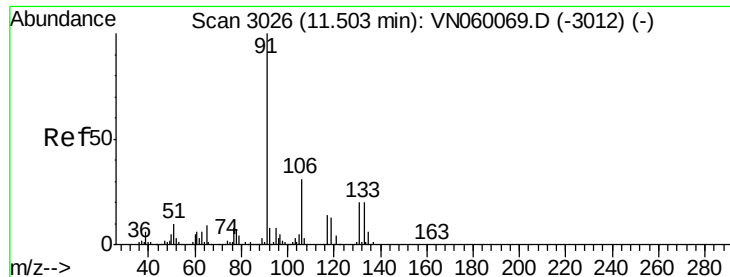


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.246 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 506388

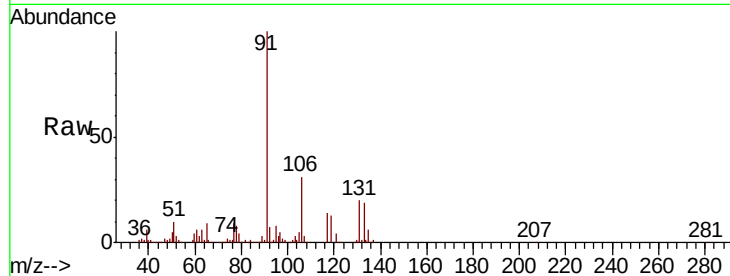
Ion Ratio Lower Upper

91 100

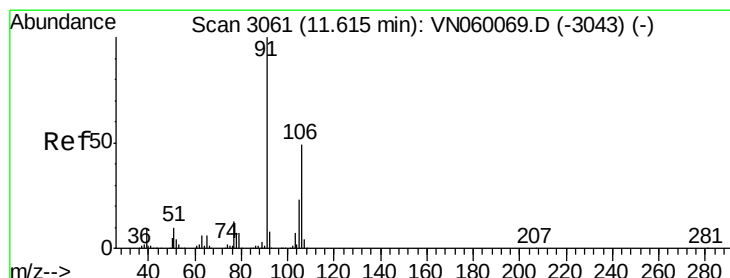
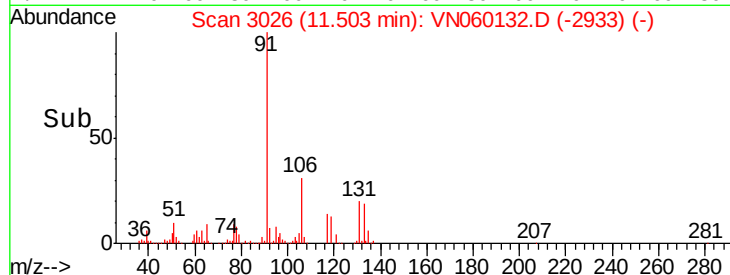
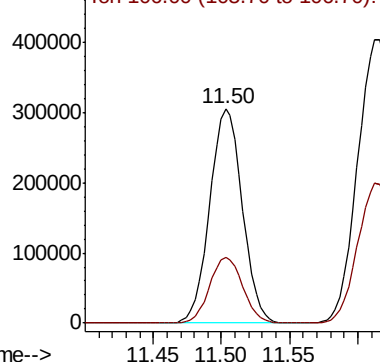
106 30.8 25.1 37.7

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3012) (-)



#68

m/p-Xylenes

Concen: 109.033 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060132.D

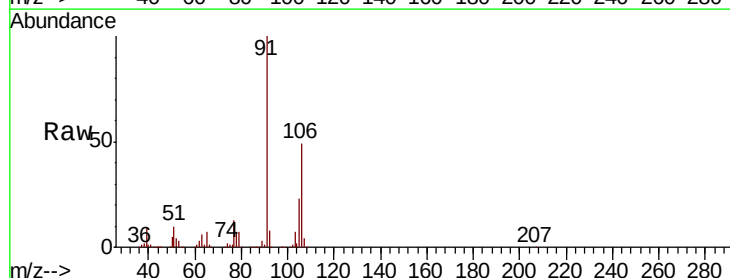
Acq: 18 Feb 2020 9:57

Tgt Ion: 106 Resp: 389178

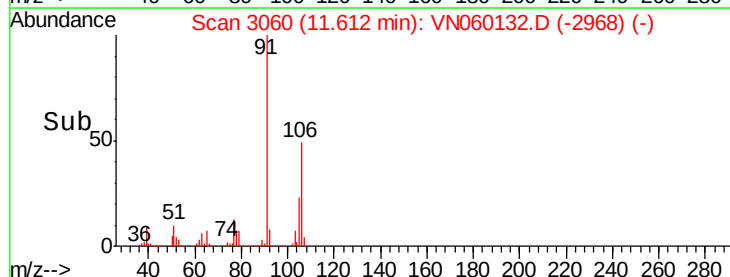
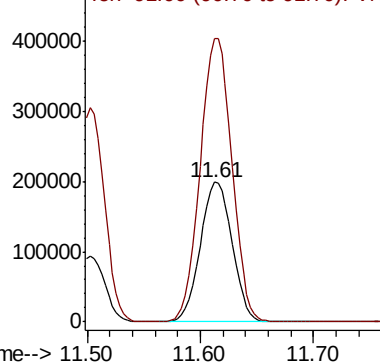
Ion Ratio Lower Upper

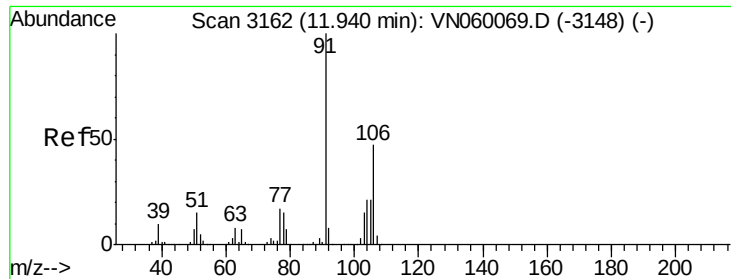
106 100

91 202.0 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060069.D (-3043) (-)





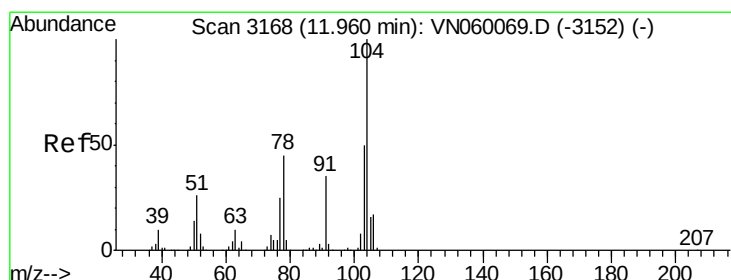
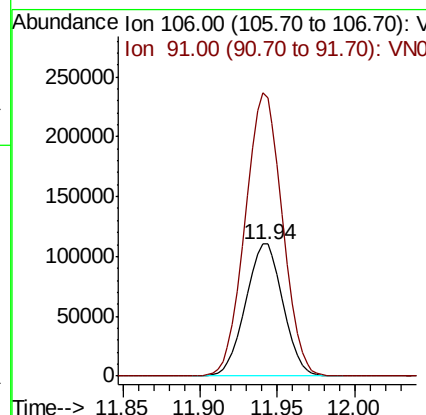
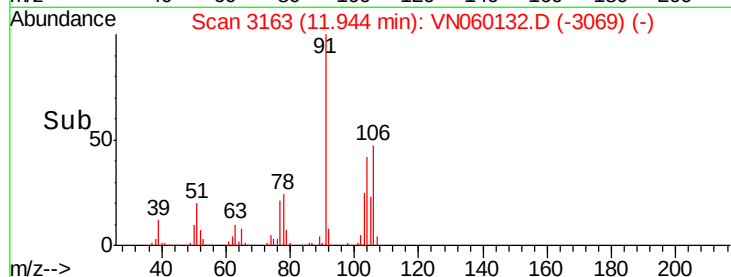
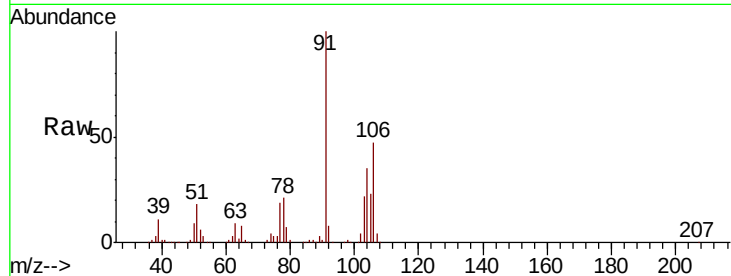
#69
o-Xylene
Concen: 53.938 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	107.2	321.6

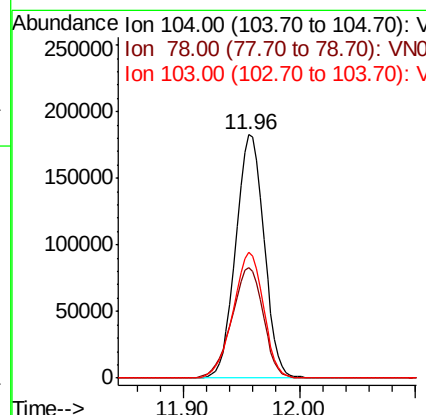
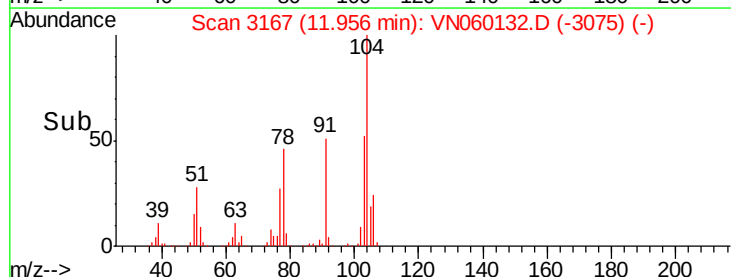
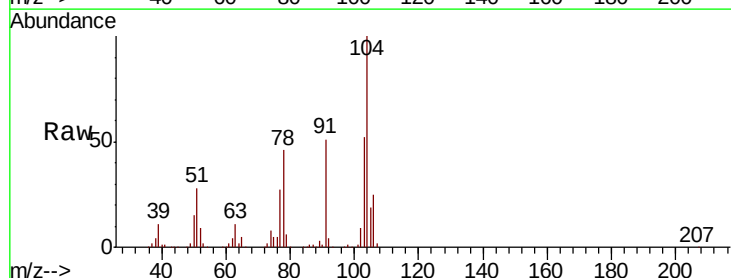
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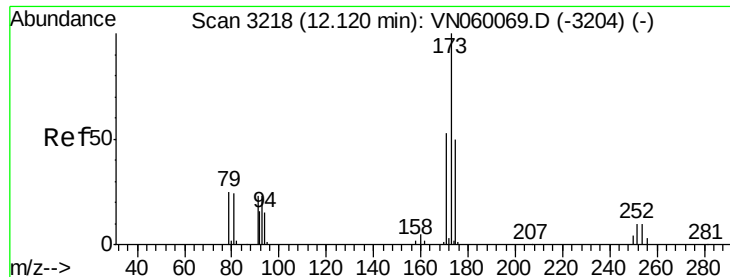
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#70
Styrene
Concen: 55.702 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.2	60.2
103	55.4	44.3	66.5





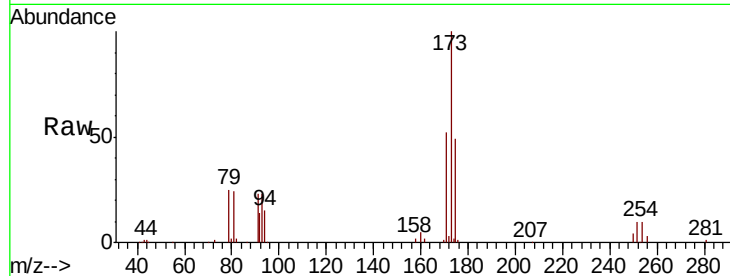
#71
Bromoform
Concen: 55.730 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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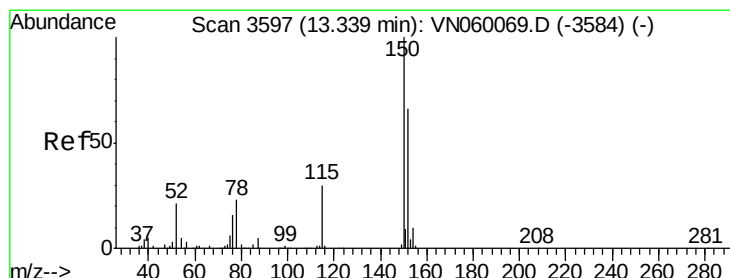
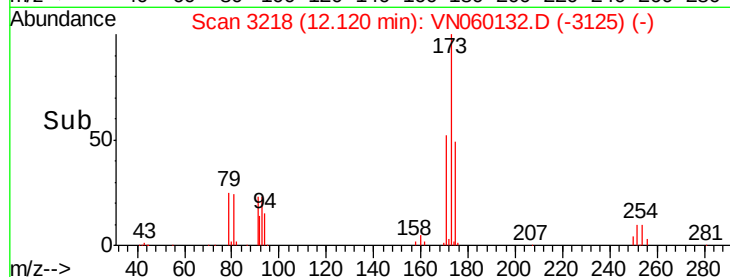
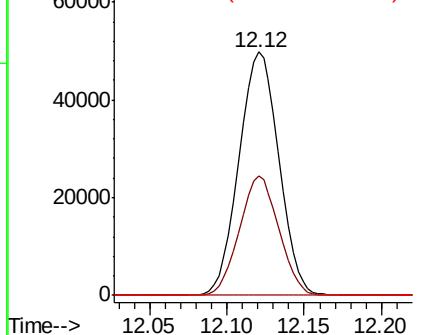


Abundance

Ion 172.70 (172.40 to 173.40): V

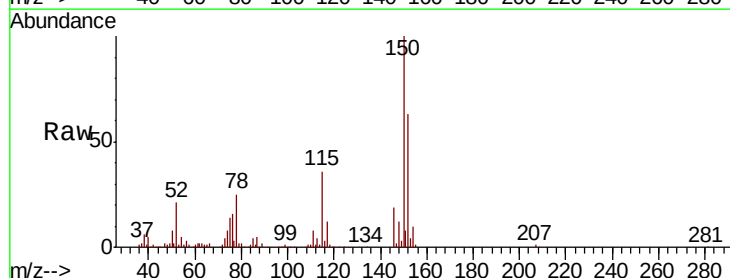
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.8
150	173.3	0.0	342.4

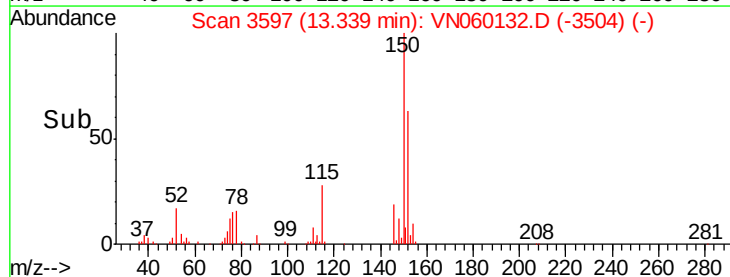
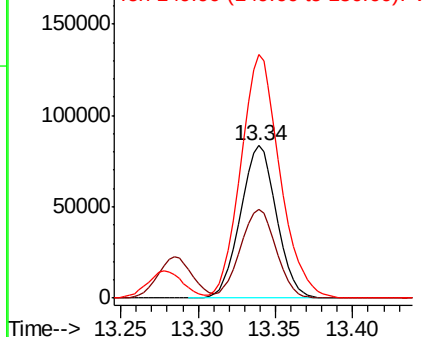


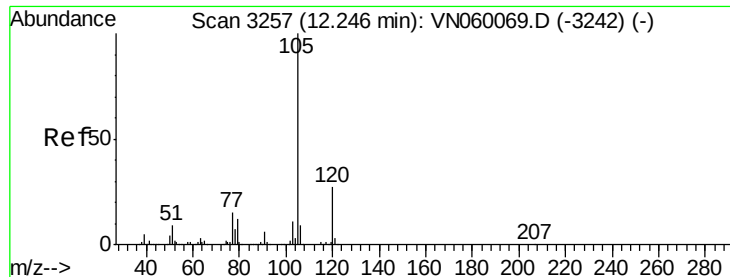
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.401 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 509323

Ion Ratio Lower Upper

105 100

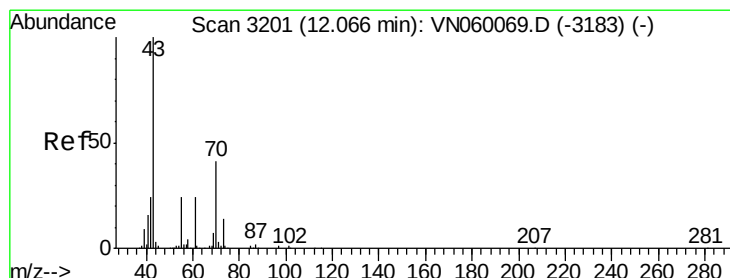
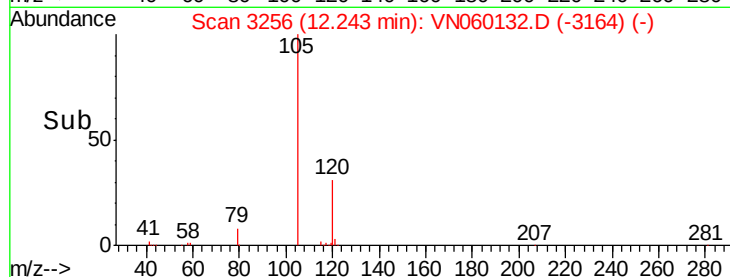
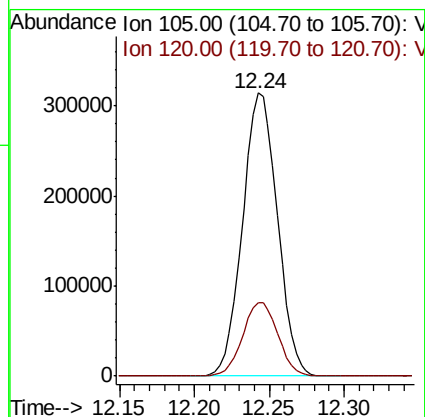
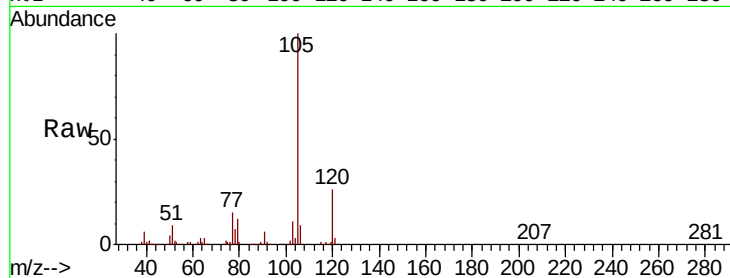
120 26.3 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.251 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Tgt Ion: 43 Resp: 194043

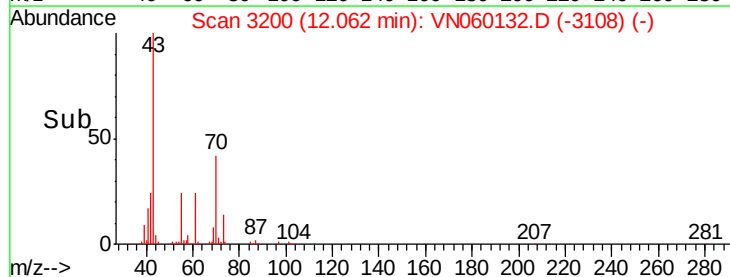
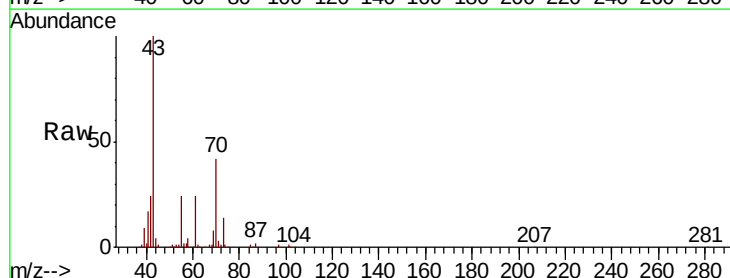
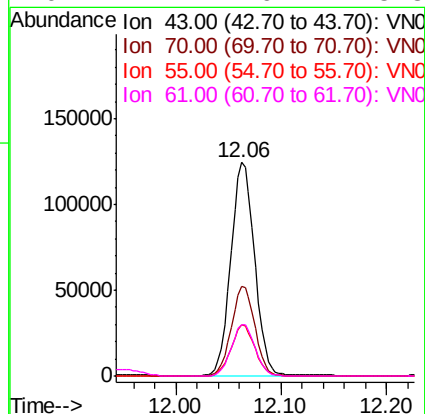
Ion Ratio Lower Upper

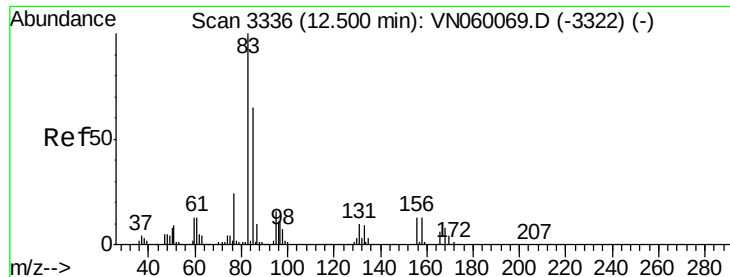
43 100

70 41.4 33.4 50.0

55 23.8 18.8 28.2

61 24.1 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.987 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

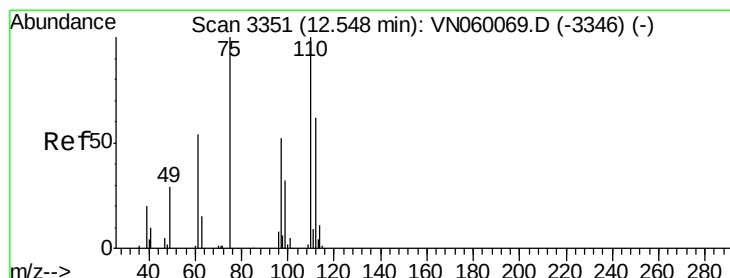
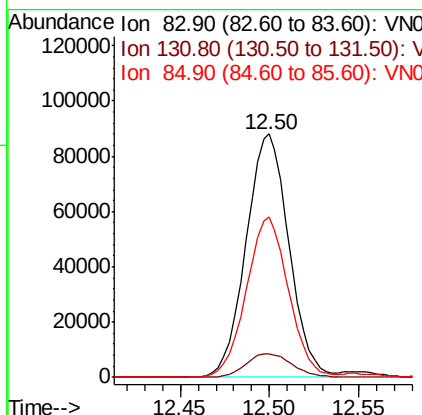
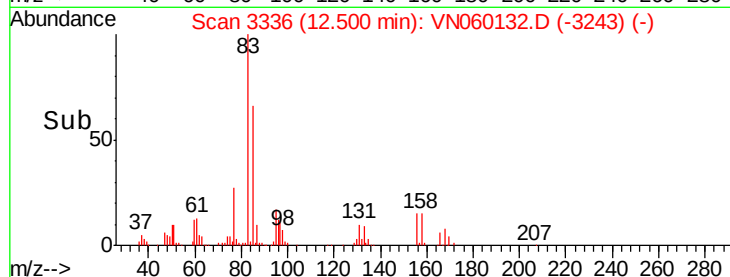
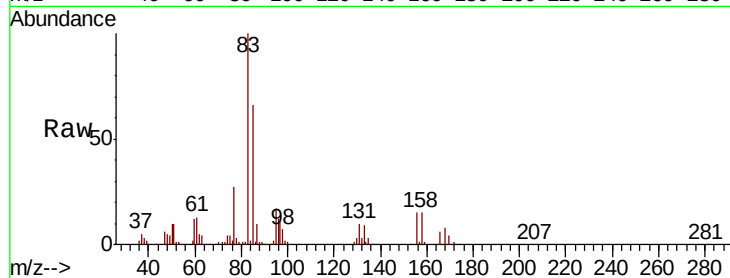
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	148303
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.8	32.3	96.9

Manual Integrations
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2/19/2020 5:05:55 PM



#76

1,2,3-Trichloropropane

Concen: 77.735 ug/l

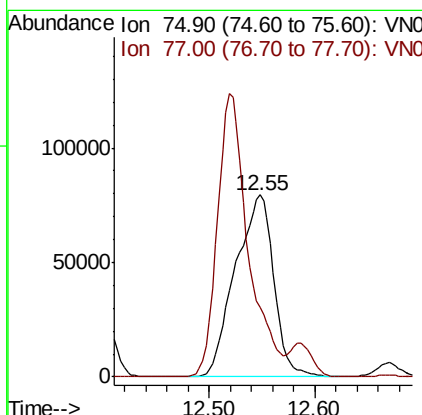
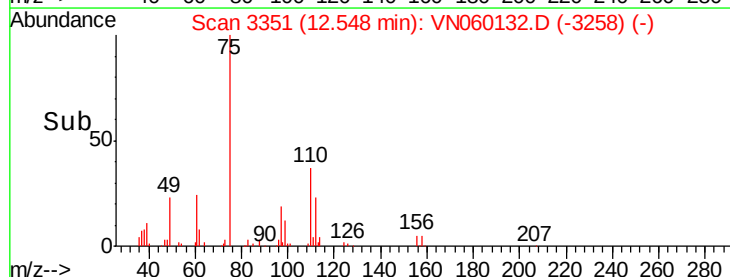
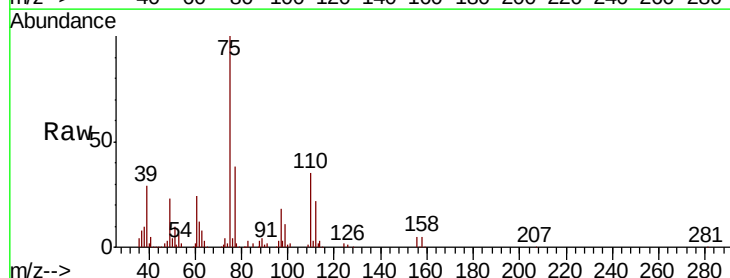
RT: 12.55 min Scan# 3351

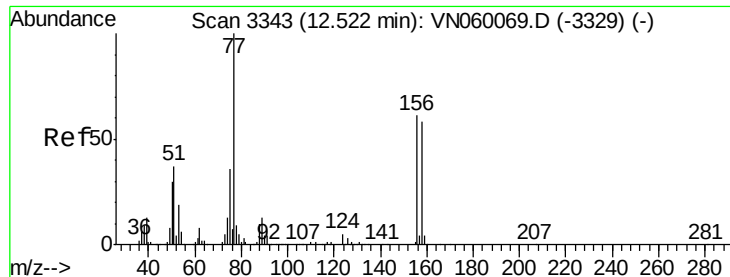
Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Tgt Ion:	75	Resp:	201261
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.387 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

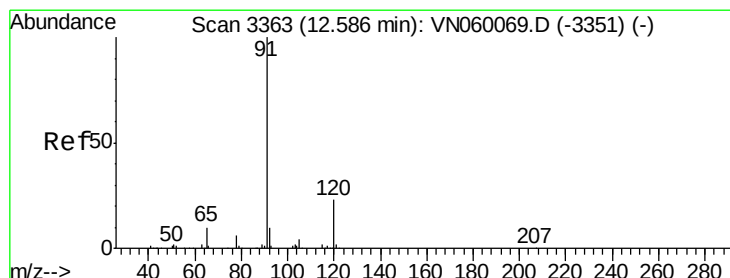
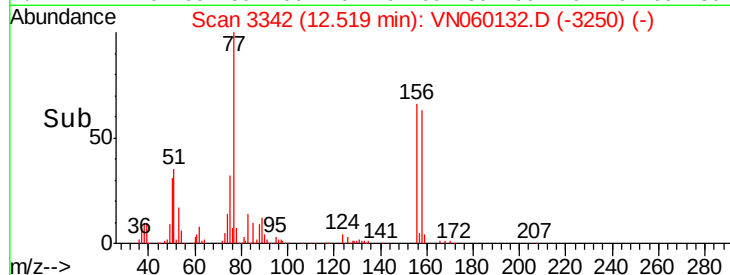
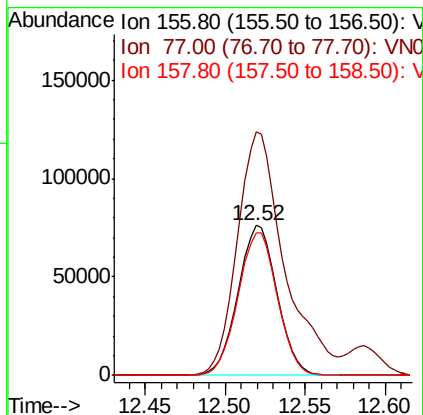
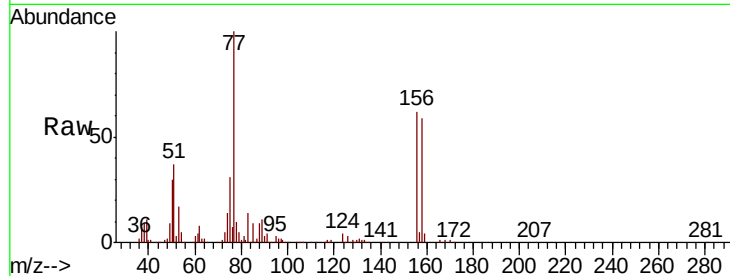
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	126361
Ion Ratio	Lower	Upper	
156	100		
77	198.1	98.7	296.1
158	96.2	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 51.344 ug/l

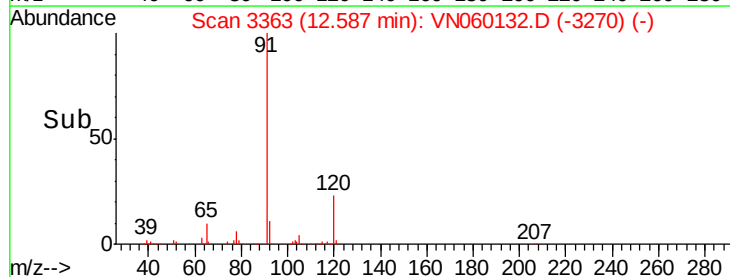
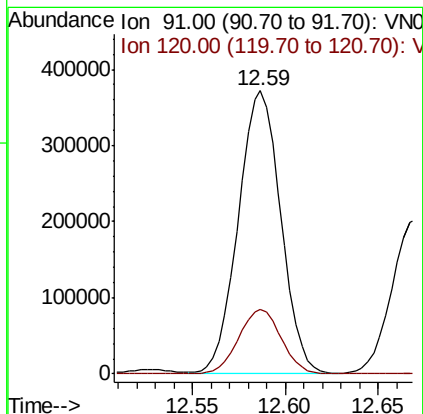
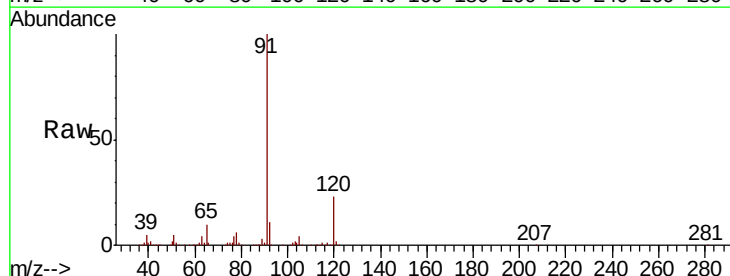
RT: 12.59 min Scan# 3363

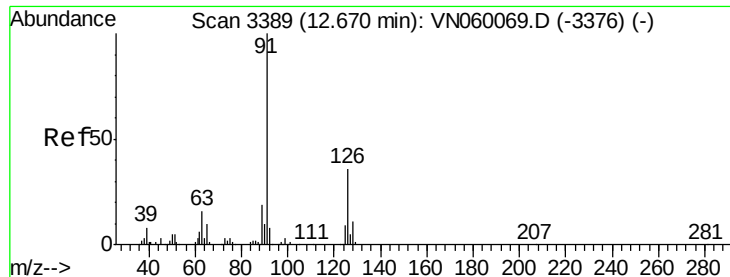
Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Tgt Ion:	91	Resp:	591136
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.792 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 336950

Ion Ratio Lower Upper

91 100

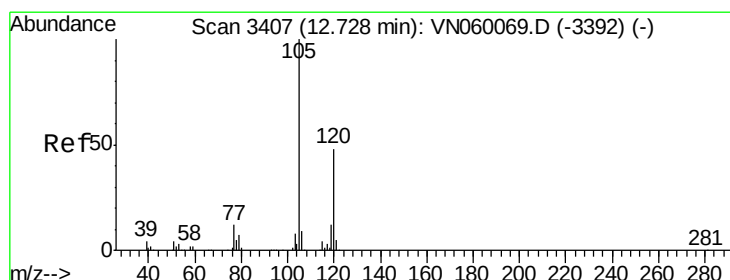
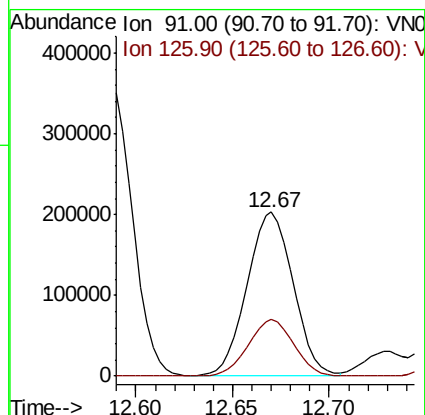
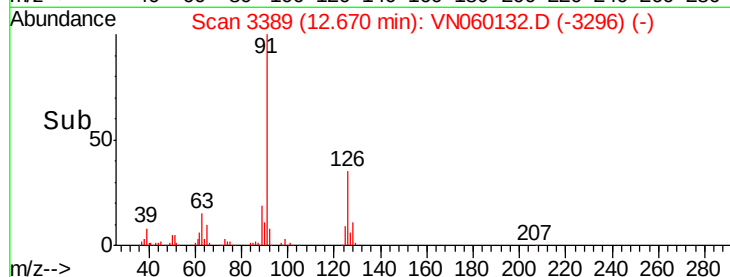
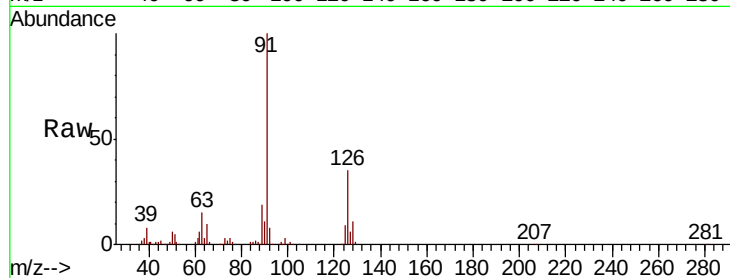
126 34.2 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.370 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060132.D

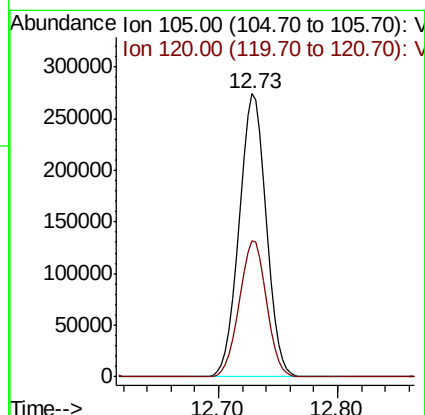
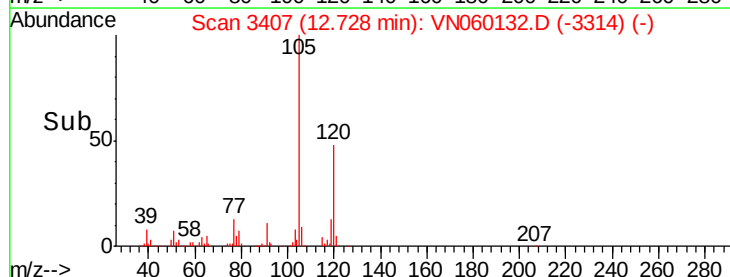
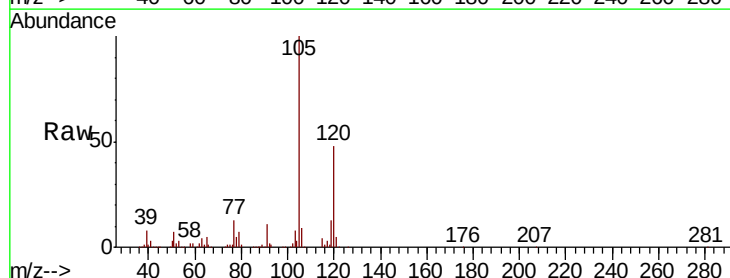
Acq: 18 Feb 2020 9:57

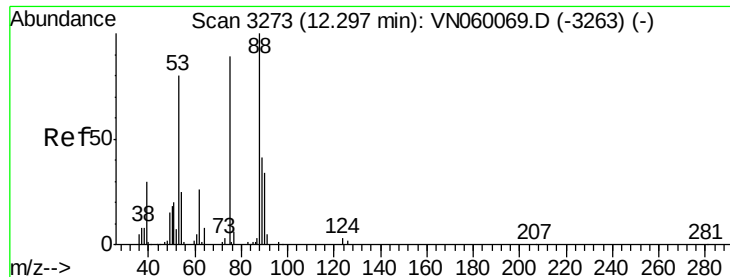
Tgt Ion: 105 Resp: 431622

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9





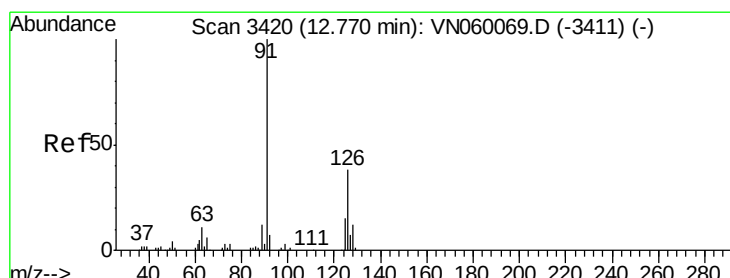
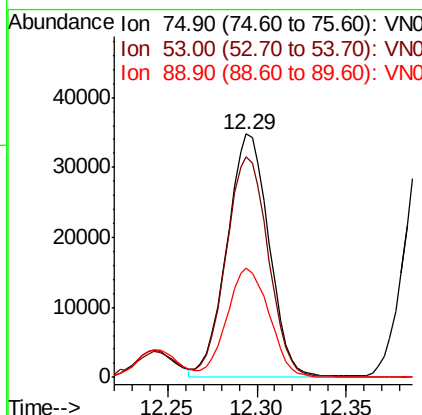
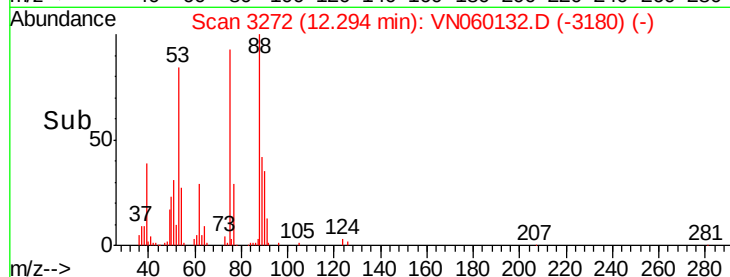
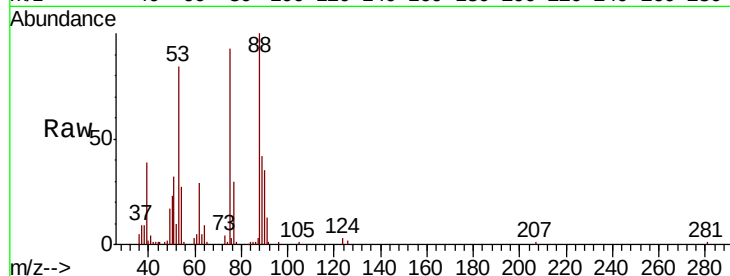
#81
trans-1,4-Dichloro-2-butene
Concen: 53.929 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	73.9	110.9
89	45.1	37.0	55.4

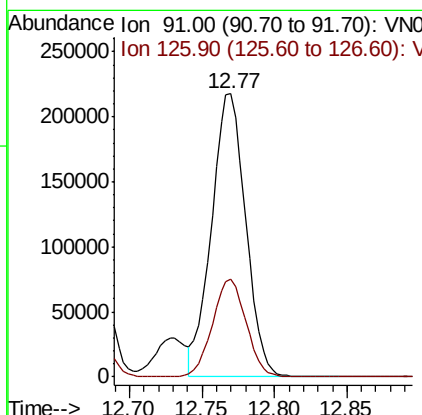
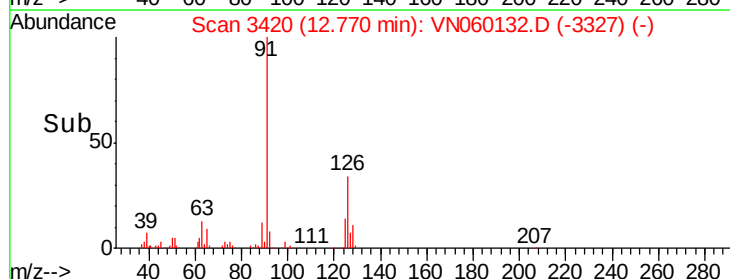
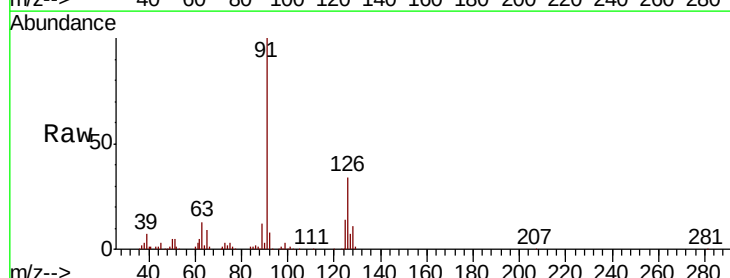
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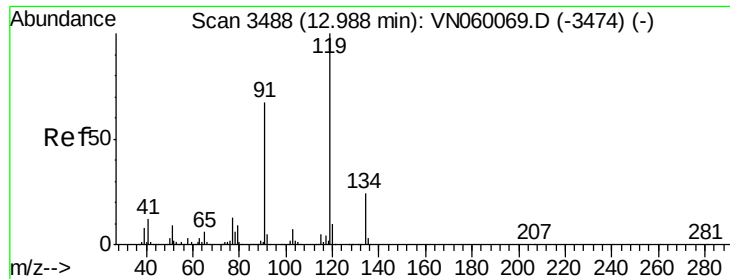
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.265 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.1	51.3





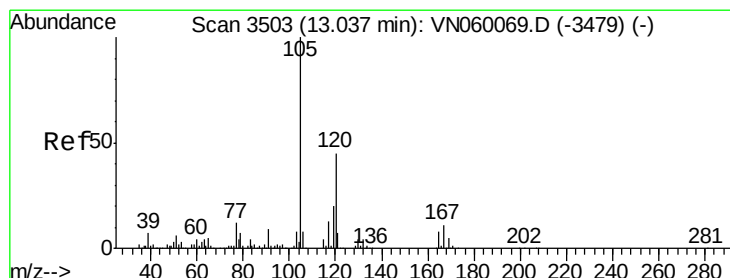
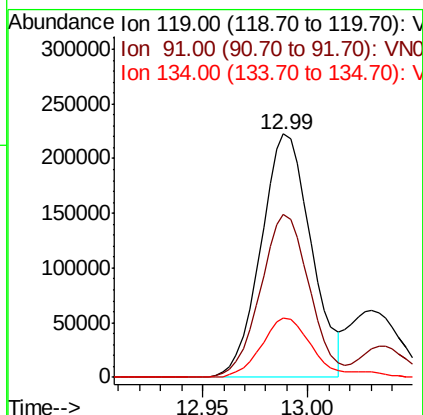
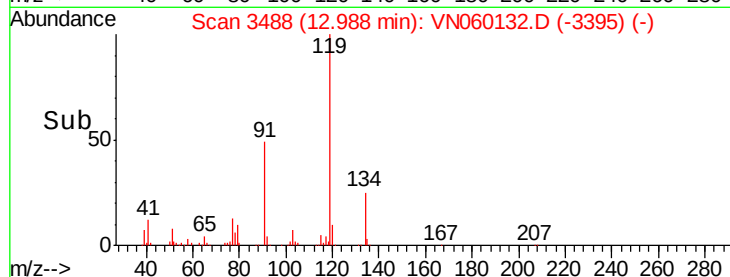
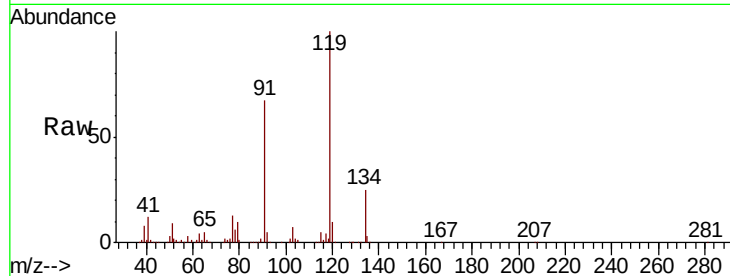
#83
 tert-Butylbenzene
 Concen: 49.577 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	119	Resp:	368491
Ion Ratio	Lower	Upper	
119	100		
91	65.4	32.7	98.1
134	25.7	12.9	38.7

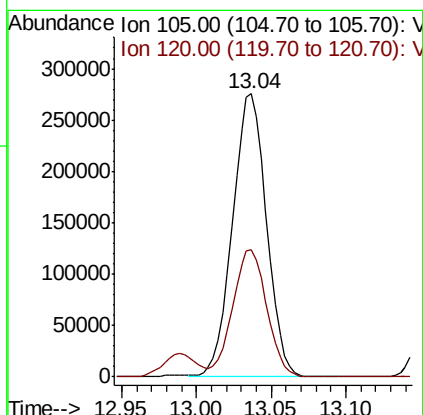
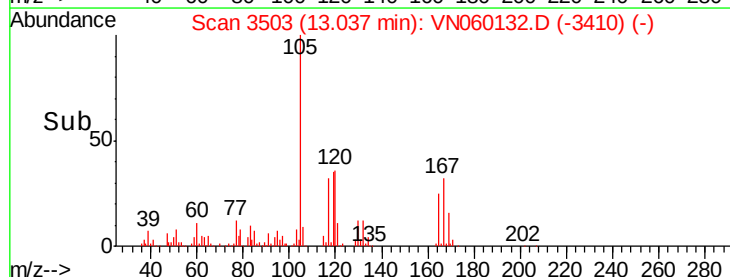
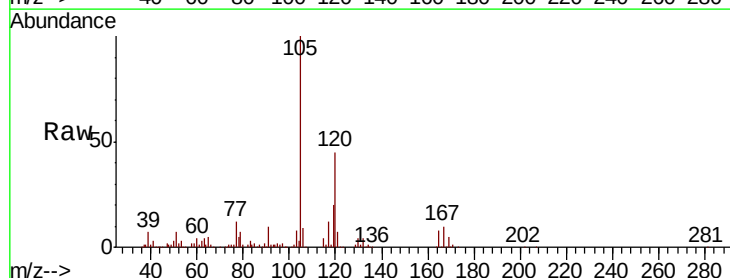
Manual Integrations
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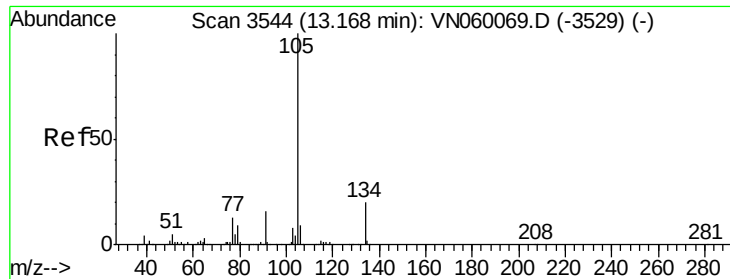
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.348 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Tgt Ion:	105	Resp:	434175
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.4	67.3





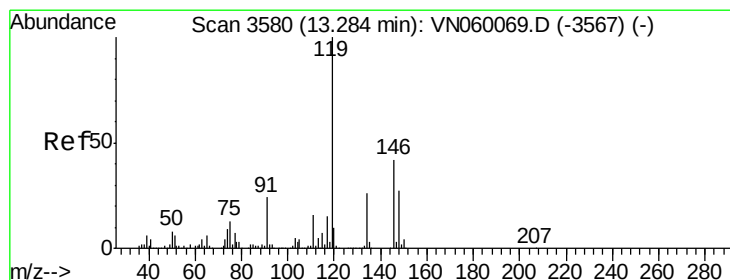
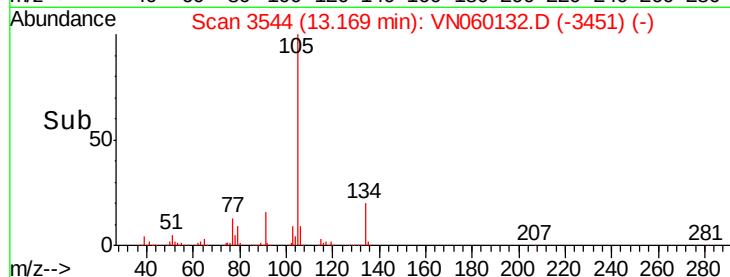
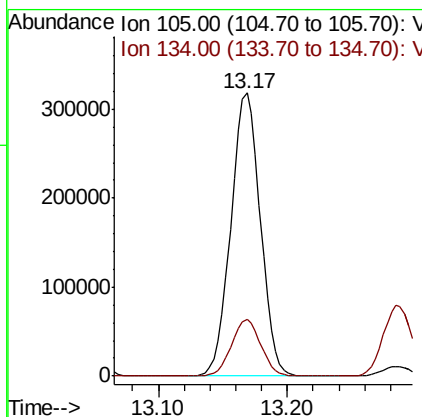
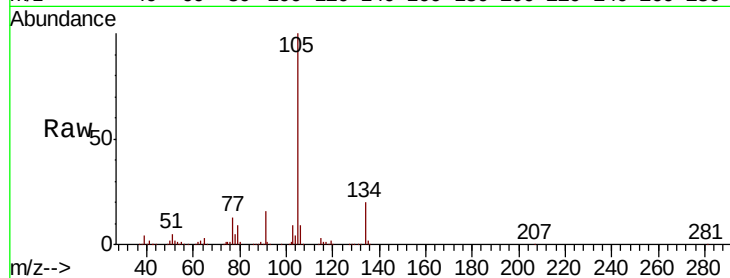
#85
 sec-Butylbenzene
 Concen: 51.242 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	504407		
134	19.9	9.9	29.7	

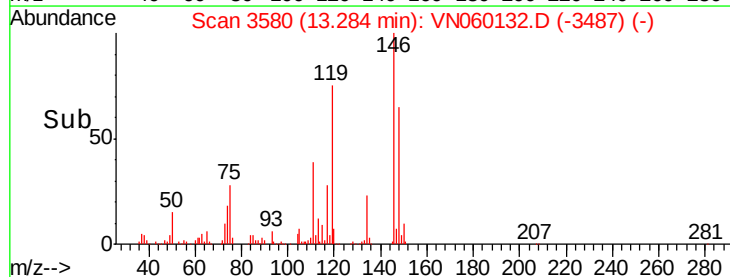
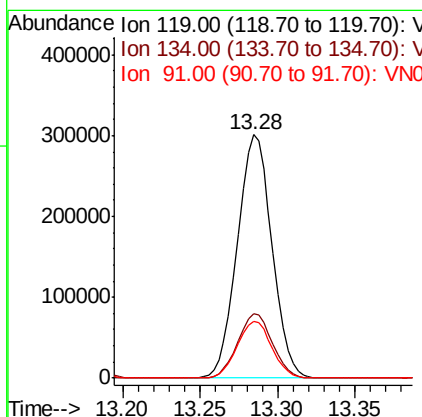
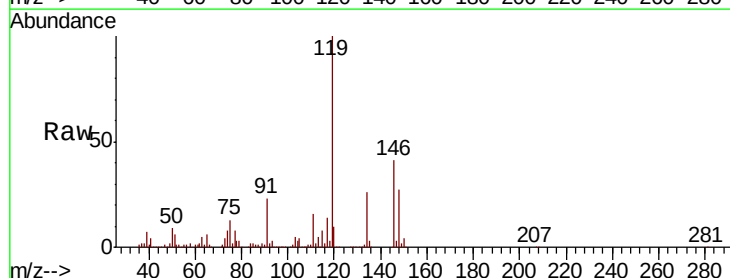
Manual Integrations
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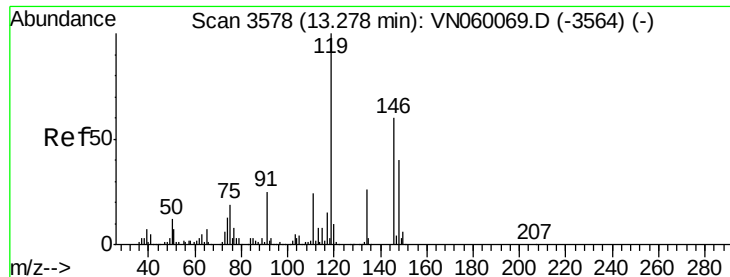
MMDadoda
 2/19/2020 5:05:55 PM



#86
 p-Isopropyltoluene
 Concen: 52.260 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	466087		
134	26.5	13.3	39.8	
91	23.6	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 52.039 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060132.D

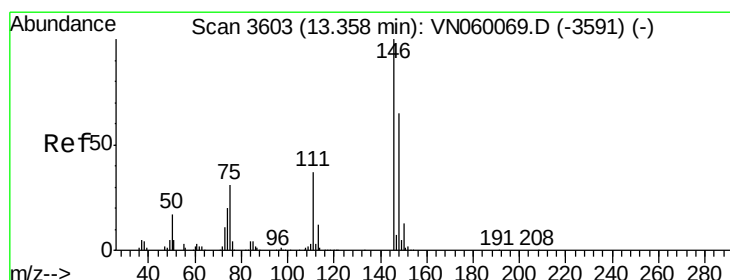
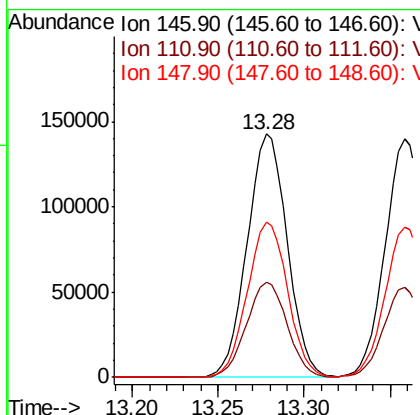
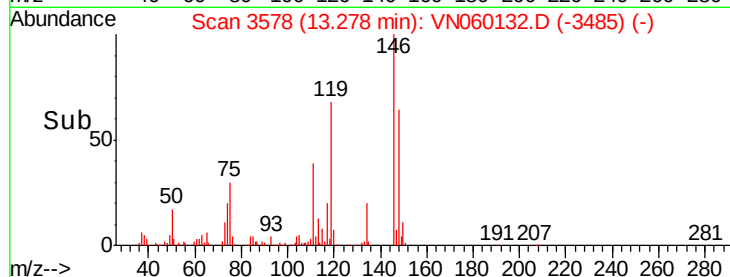
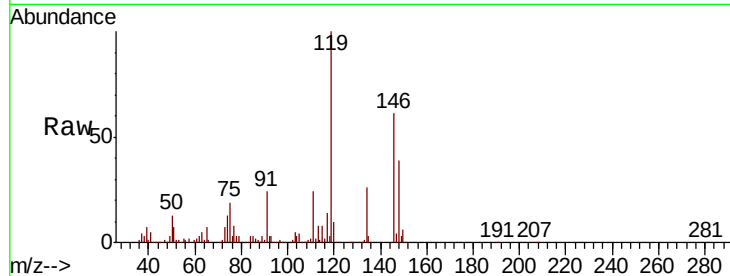
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	64.2	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.911 ug/l

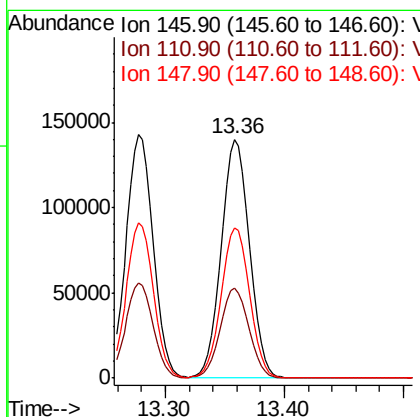
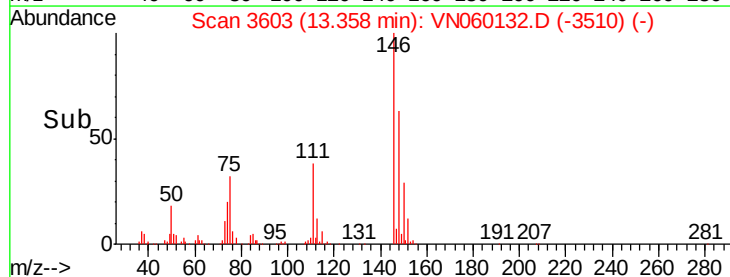
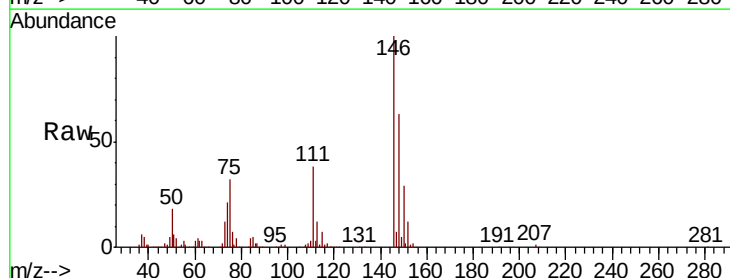
RT: 13.36 min Scan# 3603

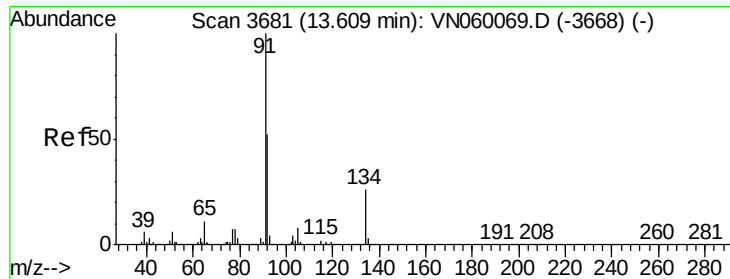
Delta R.T. 0.00 min

Lab File: VN060132.D

Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.9	56.5
148	63.2	32.0	96.0





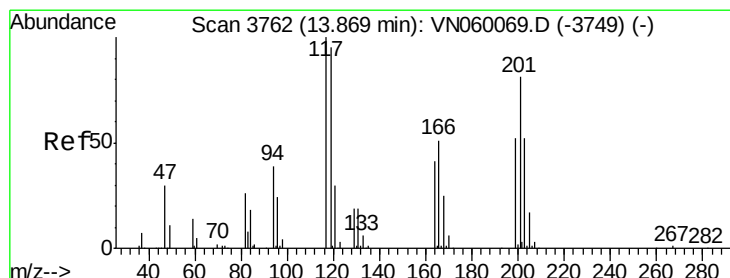
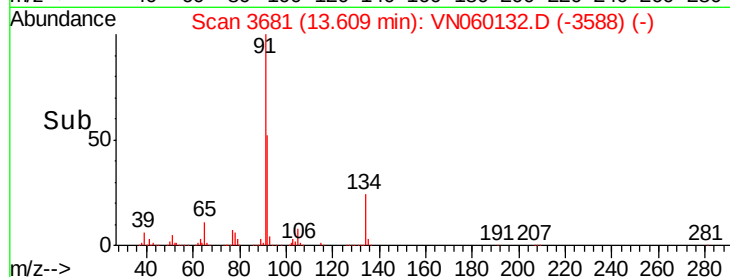
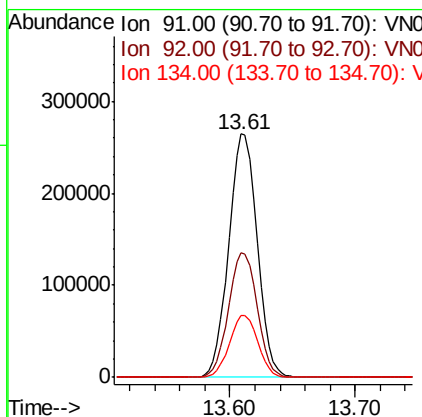
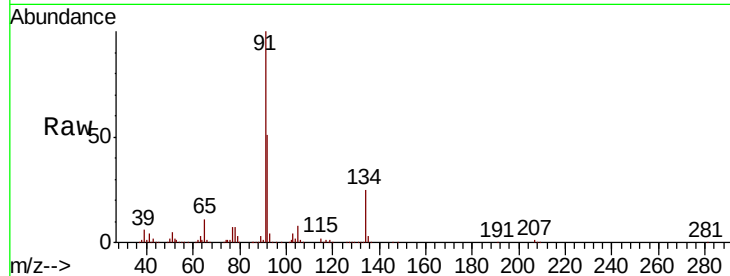
#89
n-Butylbenzene
Concen: 53.163 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		417030		
92	51.7	26.1	78.2		
134	25.5	13.1	39.3		

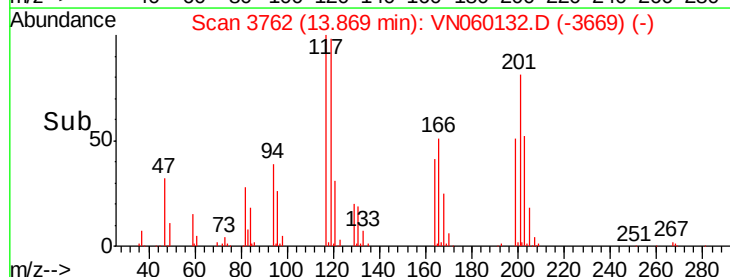
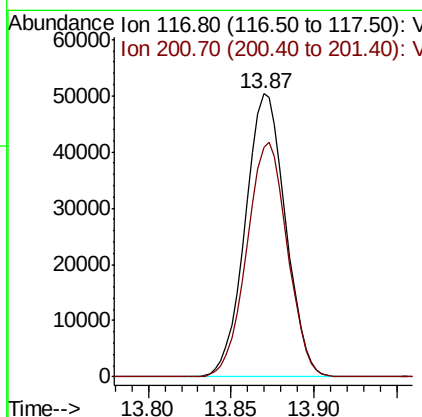
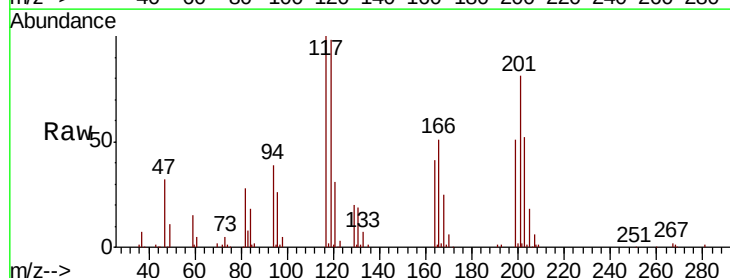
Manual Integrations
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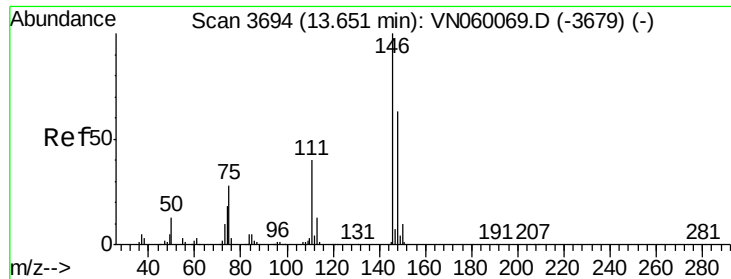
MMDadoda
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#90
Hexachloroethane
Concen: 51.123 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		85178		
201	83.2	41.7	125.1		





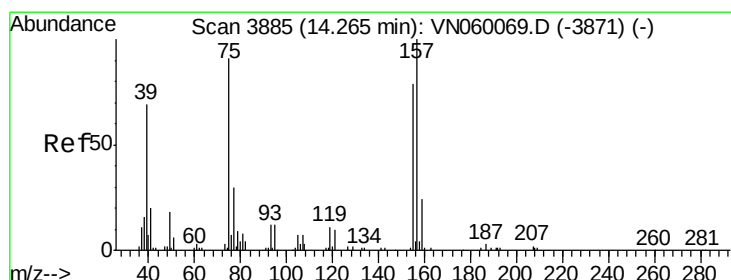
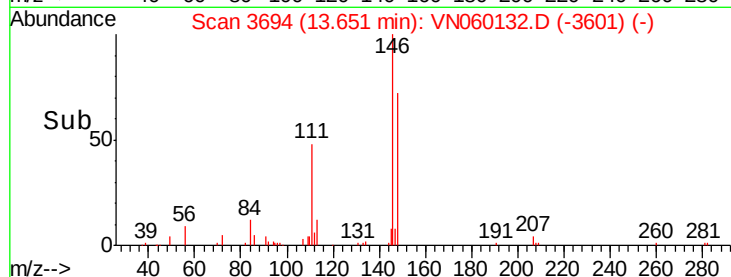
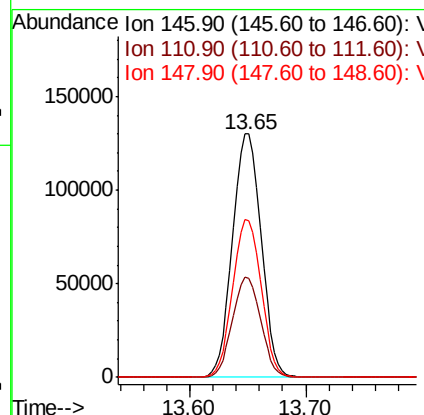
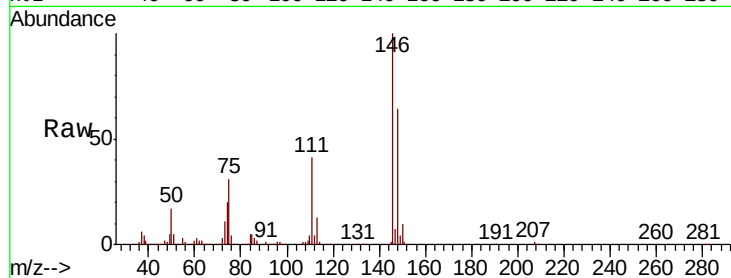
#91
 1,2-Dichlorobenzene
 Concen: 51.311 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	222915		
111	40.5		20.1	60.2
148	64.3		31.9	95.5

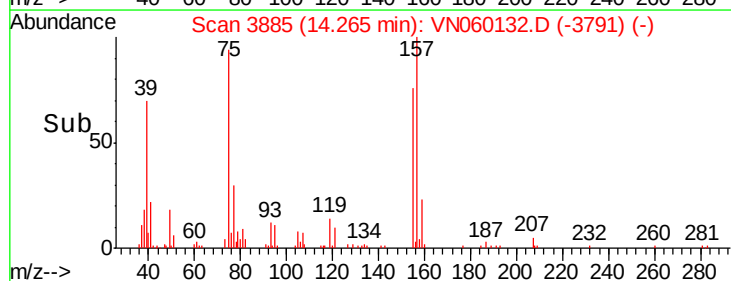
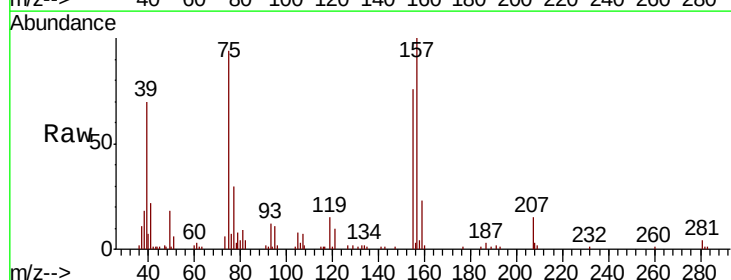
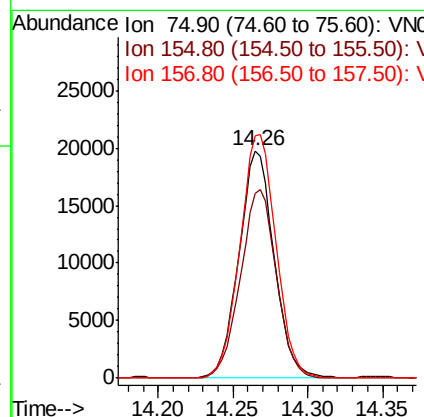
Manual Integrations
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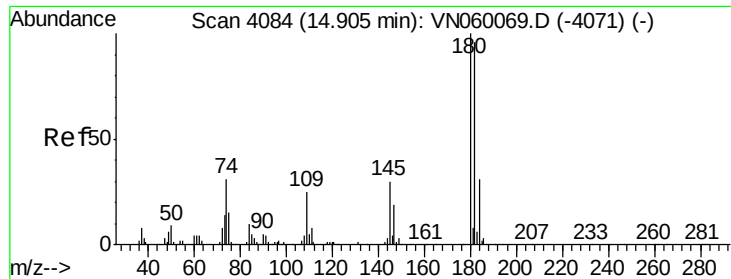
MMDadoda
 2/19/2020 5:05:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.539 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32469		
155	84.1		43.0	129.0
157	109.1		54.9	164.5





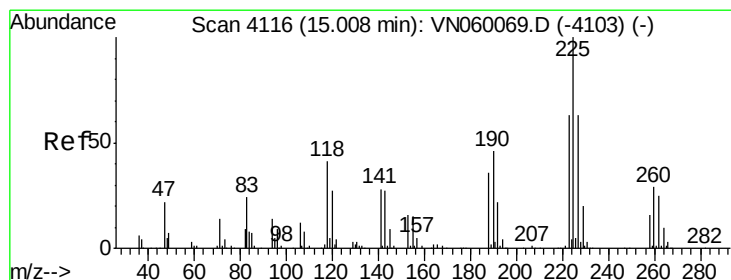
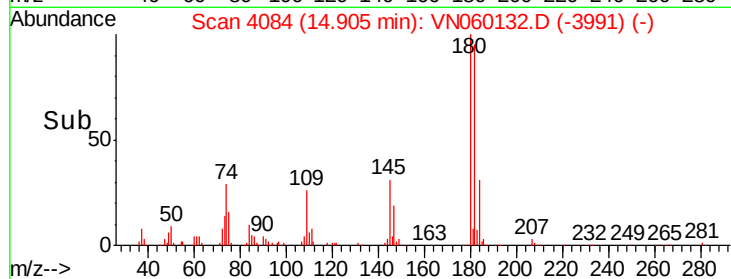
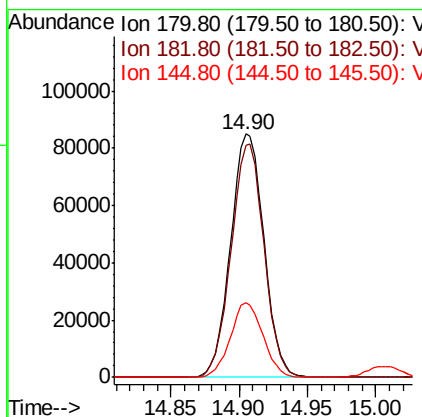
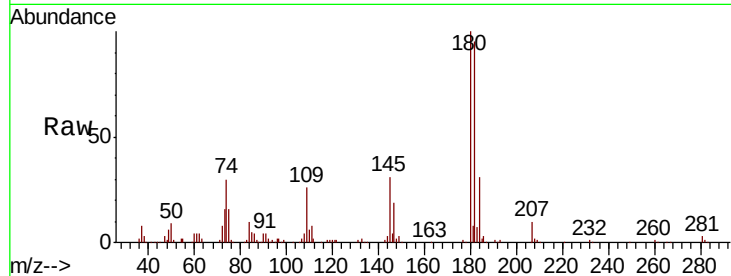
#93
 1,2,4-Trichlorobenzene
 Concen: 56.398 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	143962		
182	94.4	47.9	143.8	
145	30.0	15.2	45.5	

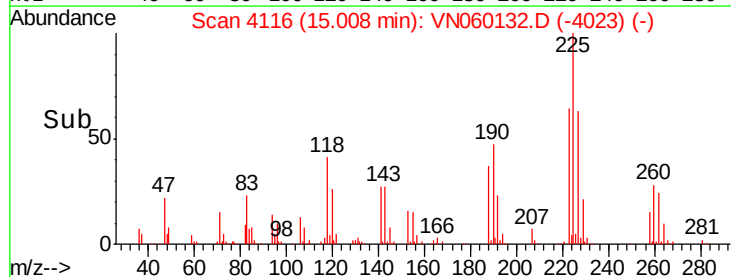
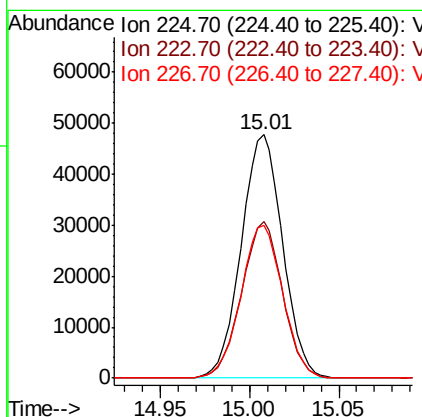
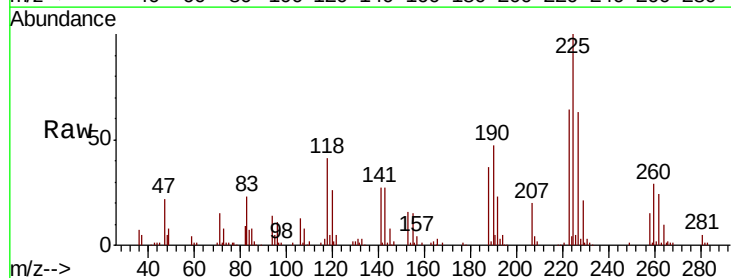
Manual Integrations
 APPROVED

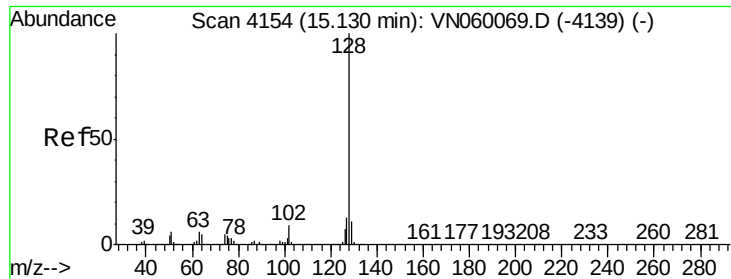
MMDadoda
 2/19/2020 5:05:55 PM



#94
 Hexachlorobutadiene
 Concen: 51.890 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060132.D
 Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77543		
223	63.6	31.5	94.5	
227	63.4	31.8	95.4	





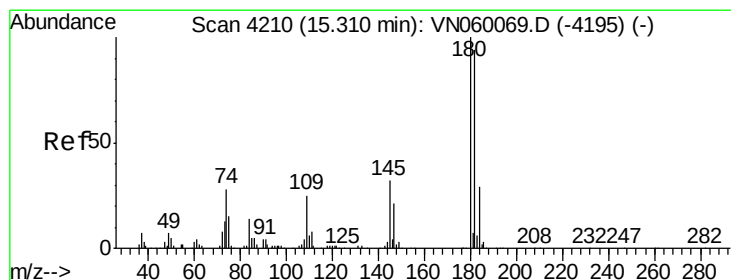
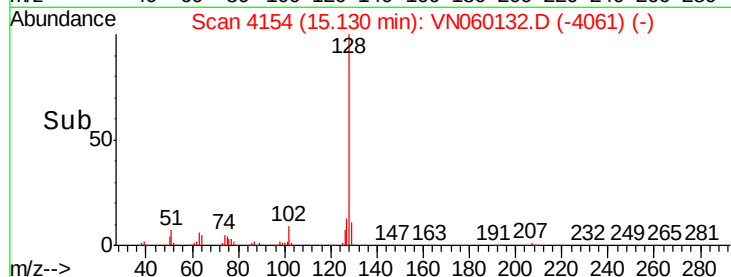
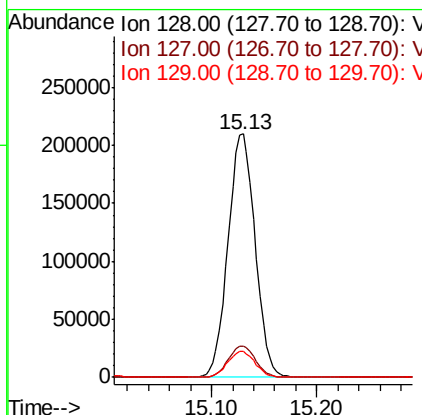
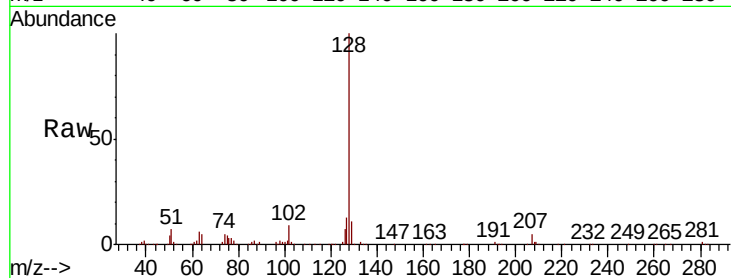
#95
Naphthalene
Concen: 54.166 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
2/19/2020 5:05:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.342 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060132.D
Acq: 18 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.5
145	31.5	16.1	48.3

