

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060017.D
 Acq On : 7 Feb 2020 8:59
 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
 2/10/2020 9:32:37 AM

Quant Time: Feb 07 23:30:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	284922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	267720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107421	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.56	113	88194	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	10.08	98	331600	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	127649	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88100	40.575	ug/l	96
3) Chloromethane	2.04	50	91296	43.406	ug/l	100
4) Vinyl Chloride	2.17	62	118690	49.319	ug/l	97
5) Bromomethane	2.53	94	69848	47.559	ug/l	99
6) Chloroethane	2.68	64	57225	50.261	ug/l	99
7) Trichlorofluoromethane	3.00	101	143237	49.561	ug/l	99
8) Diethyl Ether	3.38	74	52586	51.846	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.73	101	85186	52.958	ug/l	94
10) Methyl Iodide	3.93	142	109415	42.082	ug/l	97
11) Tert butyl alcohol	4.73	59	85613	249.266	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	78916	46.951	ug/l	92
13) Acrolein	3.58	56	44552	183.245	ug/l	98
14) Allyl chloride	4.29	41	118955	52.506	ug/l #	88
15) Acrylonitrile	4.94	53	221098	282.207	ug/l	100
16) Acetone	3.78	43	262649	382.760	ug/l	98
17) Carbon Disulfide	4.03	76	185815	38.808	ug/l	100
18) Methyl Acetate	4.28	43	136263	57.178	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	299349	54.624	ug/l	95
20) Methylene Chloride	4.52	84	94788	51.388	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	87858	49.174	ug/l	90
22) Diisopropyl ether	5.91	45	289542	56.395	ug/l	97
23) Vinyl Acetate	5.86	43	1102429	277.336	ug/l	95
24) 1,1-Dichloroethane	5.81	63	167608	53.428	ug/l	99
25) 2-Butanone	6.80	43	337839	292.409	ug/l	92
26) 2,2-Dichloropropane	6.79	77	161380	53.509	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	108568	52.831	ug/l	91
28) Bromochloromethane	7.17	49	64354	51.325	ug/l #	80
29) Tetrahydrofuran	7.18	42	191897	268.445	ug/l	91
30) Chloroform	7.34	83	181344	55.791	ug/l	100
31) Cyclohexane	7.63	56	137356	45.502	ug/l	93
32) 1,1,1-Trichloroethane	7.54	97	163498	54.402	ug/l	97
36) 1,1-Dichloropropene	7.77	75	126004	50.783	ug/l	96
37) Ethyl Acetate	6.89	43	122731	52.739	ug/l	96
38) Carbon Tetrachloride	7.75	117	141597	52.462	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	151109	49.392	ug/l	94
40) Benzene	8.02	78	382665	51.713	ug/l	99
41) Methacrylonitrile	7.15	41	61339m	53.513	ug/l	
42) 1,2-Dichloroethane	8.10	62	141862	56.543	ug/l	98
43) Isopropyl Acetate	8.14	43	214604	53.614	ug/l #	95
44) Trichloroethene	8.82	130	106770	52.854	ug/l	95
45) 1,2-Dichloropropane	9.10	63	102544	56.001	ug/l	99
46) Dibromomethane	9.19	93	70341	54.457	ug/l	93
47) Bromodichloromethane	9.39	83	147150	56.532	ug/l	98
48) Methyl methacrylate	9.18	41	94566	52.817	ug/l	92
49) 1,4-Dioxane	9.18	88	34288	1046.114	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	646928	279.584	ug/l	96
52) Toluene	10.14	92	250588	53.612	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	166234	57.196	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	172017	56.250	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	103508	55.914	ug/l	97
56) Ethyl methacrylate	10.42	69	153490	54.262	ug/l	94
57) 1,3-Dichloropropane	10.70	76	167417	56.964	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	263767	309.586	ug/l	93
59) 2-Hexanone	10.74	43	516045	302.727	ug/l	96
60) Dibromochloromethane	10.89	129	121248	57.516	ug/l	100
61) 1,2-Dibromoethane	10.99	107	108477	55.908	ug/l	98
64) Tetrachloroethene	10.62	164	106351	48.741	ug/l	95
65) Chlorobenzene	11.43	112	280589	53.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110692	54.440	ug/l	99
67) Ethyl Benzene	11.50	91	503528	52.712	ug/l	98
68) m/p-Xylenes	11.62	106	377890	104.726	ug/l	96
69) o-Xylene	11.94	106	184164	52.133	ug/l	96
70) Styrene	11.96	104	311487	52.694	ug/l	98
71) Bromoform	12.12	173	92007	56.491	ug/l #	96
73) Isopropylbenzene	12.25	105	510552	51.829	ug/l	100
74) N-amyl acetate	12.06	43	195099	51.041	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	152671	53.461	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	126152m	55.809	ug/l	
77) Bromobenzene	12.52	156	128792	51.628	ug/l	85
78) n-propylbenzene	12.59	91	584293	52.846	ug/l	98
79) 2-Chlorotoluene	12.67	91	340349	51.744	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	429791	51.879	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	57344	54.479	ug/l	96
82) 4-Chlorotoluene	12.77	91	354440	53.724	ug/l	97
83) tert-Butylbenzene	12.99	119	371684	51.874	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	432623	52.785	ug/l	99
85) sec-Butylbenzene	13.17	105	506120	53.764	ug/l	99
86) p-Isopropyltoluene	13.28	119	467552	53.676	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	237161	54.730	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	232867	53.869	ug/l	98
89) n-Butylbenzene	13.61	91	418132	56.299	ug/l	99
90) Hexachloroethane	13.87	117	88889	54.542	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	228621	53.367	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32125	52.515	ug/l	85

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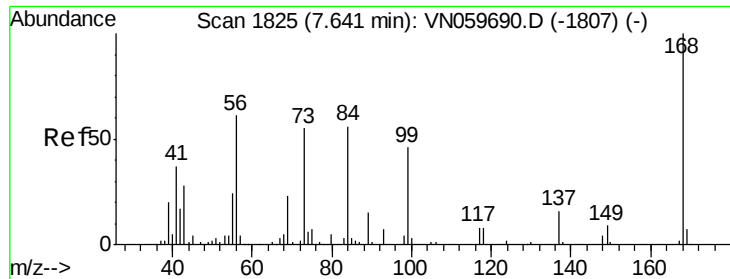
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	141575	54.999	ug/l	98
94) Hexachlorobutadiene	15.01	225	77388	54.556	ug/l	100
95) Naphthalene	15.13	128	378110	51.642	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	136662	54.543	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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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 183717

Ion Ratio Lower Upper

168 100

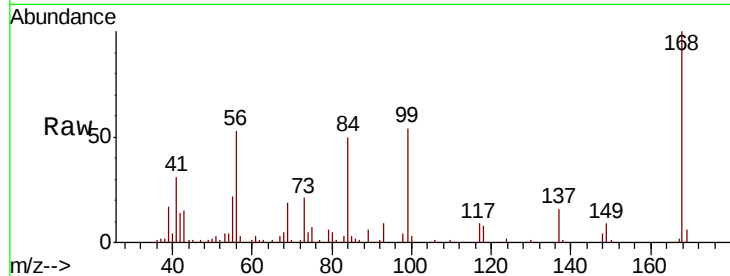
99 53.5 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

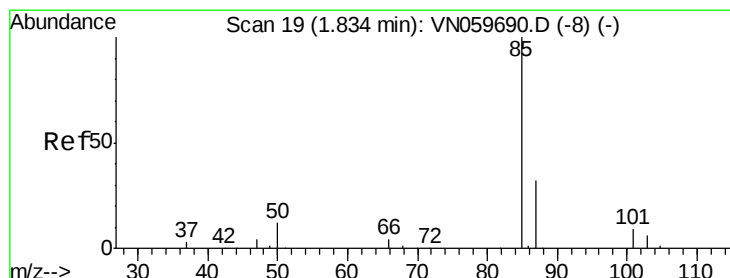
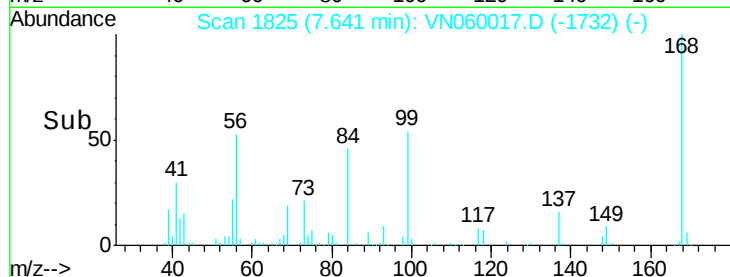
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 40.575 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060017.D

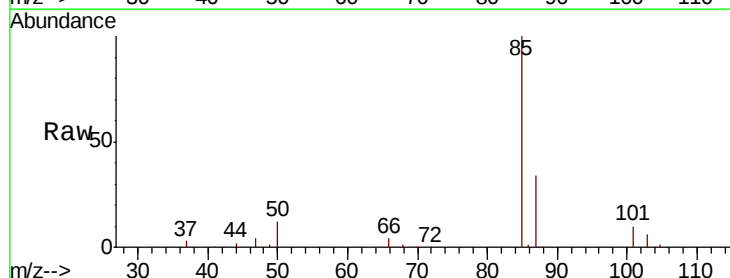
Acq: 7 Feb 2020 8:59

Tgt Ion: 85 Resp: 88100

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

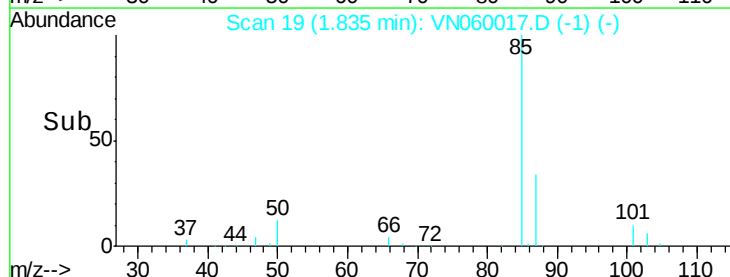
40000

20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 43.406 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 91296

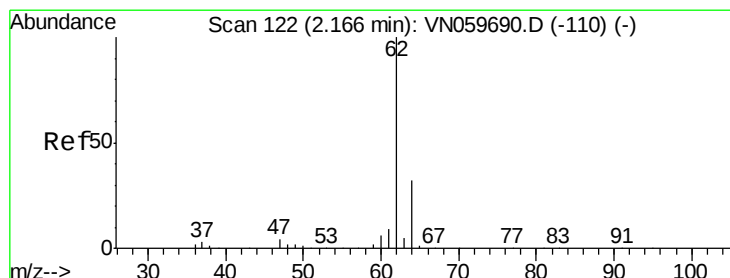
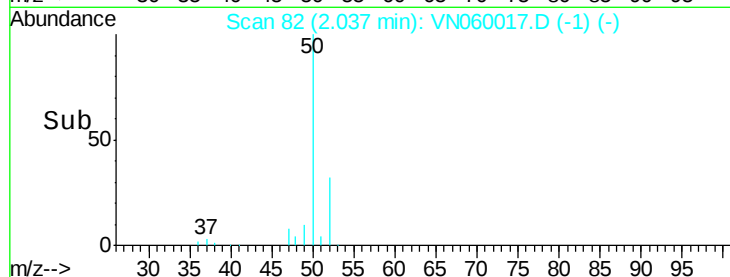
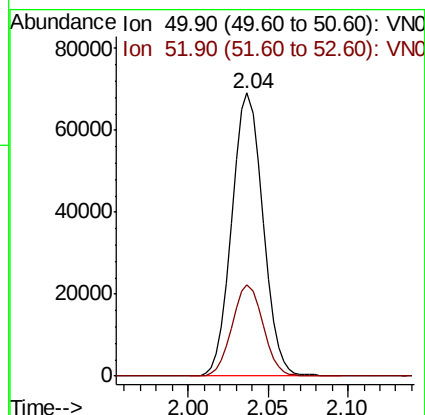
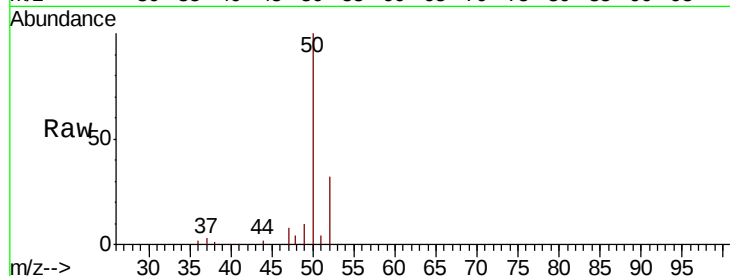
Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9

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#4

Vinyl Chloride

Concen: 49.319 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060017.D

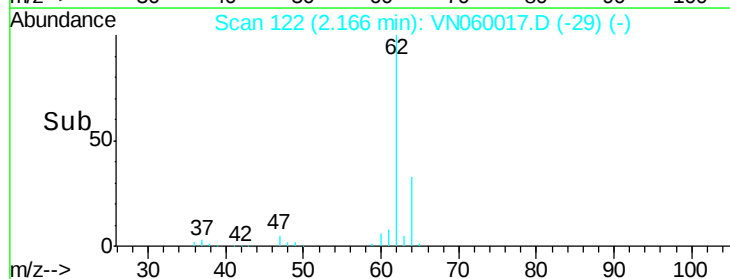
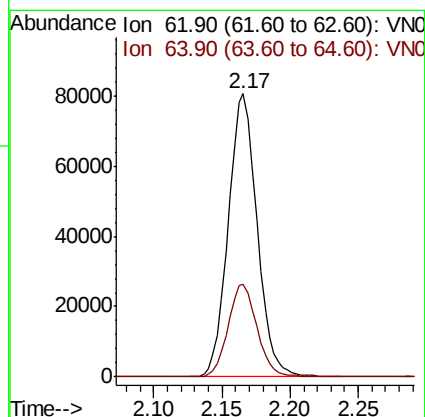
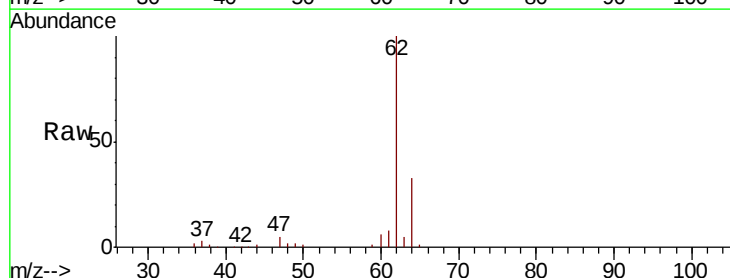
Acq: 7 Feb 2020 8:59

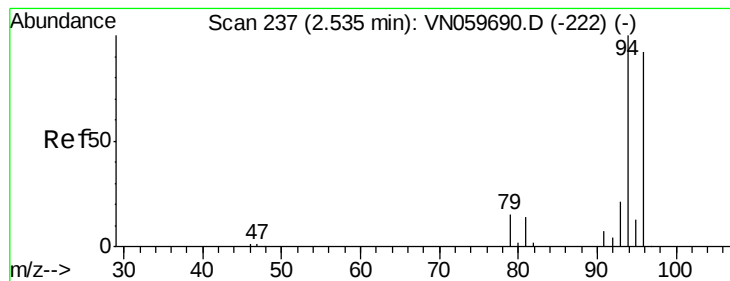
Tgt Ion: 62 Resp: 118690

Ion Ratio Lower Upper

62 100

64 32.5 24.6 37.0





#5

Bromomethane

Concen: 47.559 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 69848

Ion Ratio Lower Upper

94 100

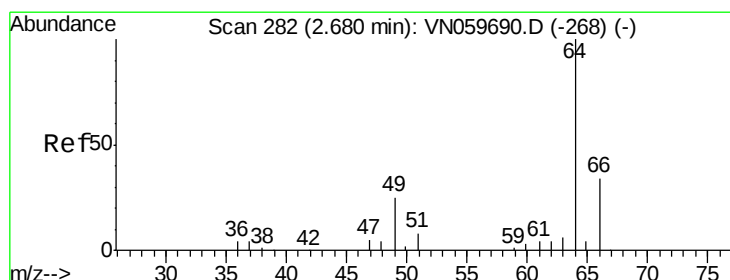
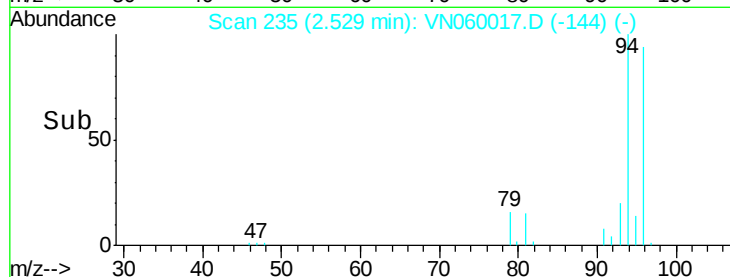
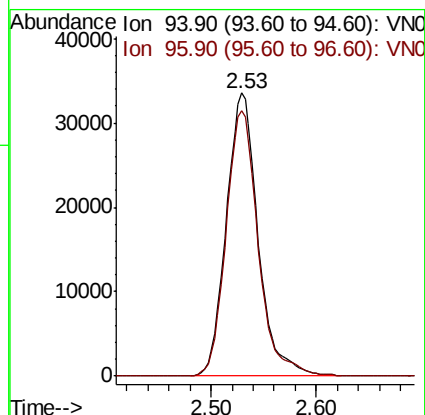
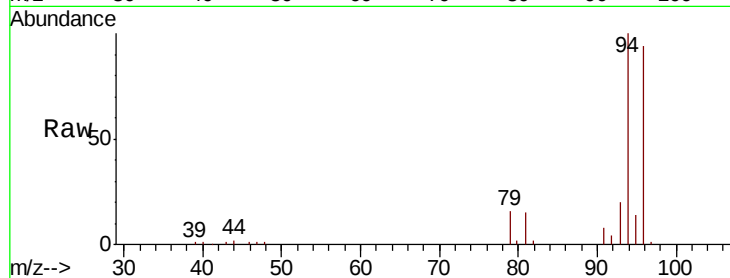
96 93.9 74.7 112.1

Manual Integrations

APPROVED

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2/10/2020 9:32:37 AM



#6

Chloroethane

Concen: 50.261 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN060017.D

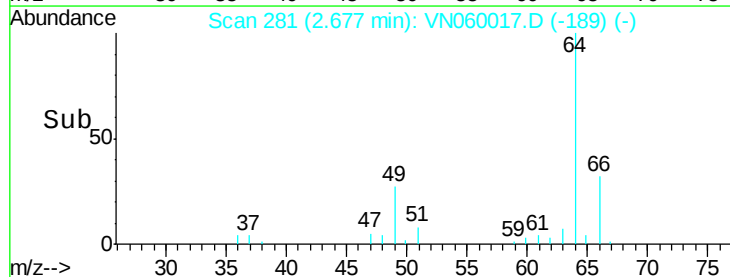
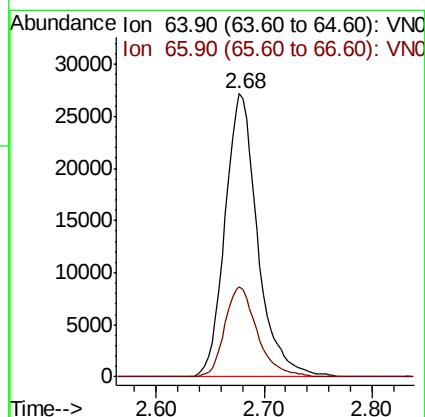
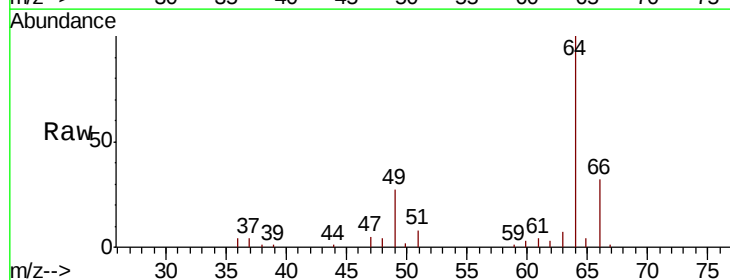
Acq: 7 Feb 2020 8:59

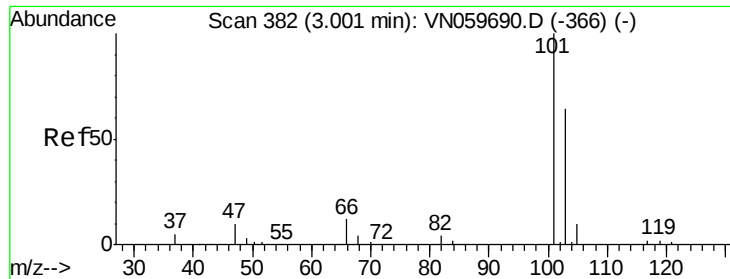
Tgt Ion: 64 Resp: 57225

Ion Ratio Lower Upper

64 100

66 32.0 25.1 37.7





#7

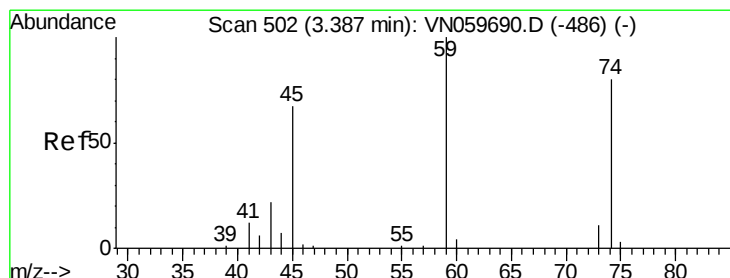
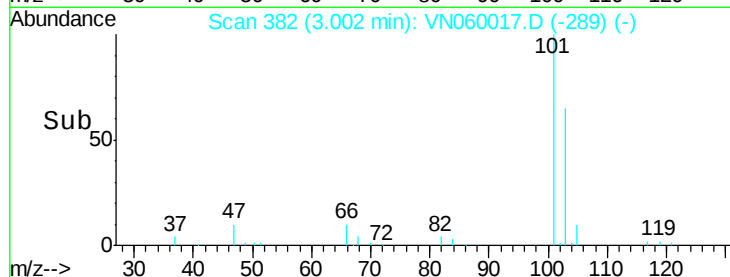
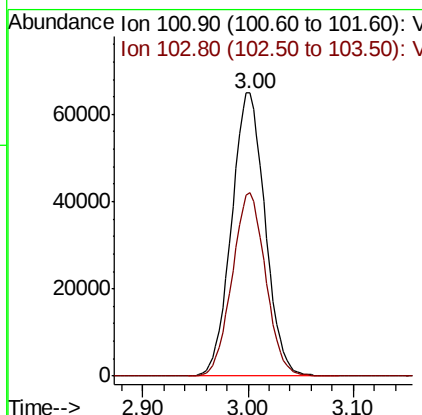
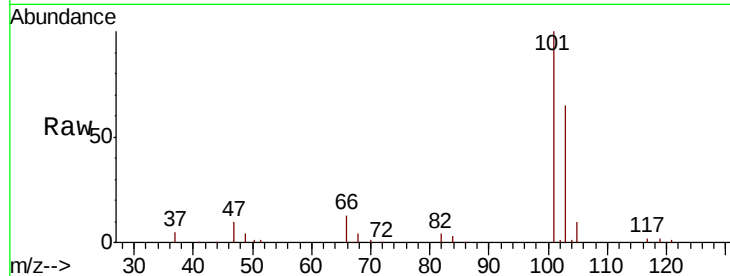
Trichlorofluoromethane
 Concen: 49.561 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060017.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.0	76.6

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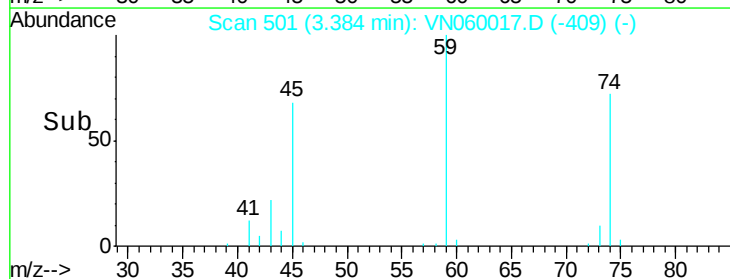
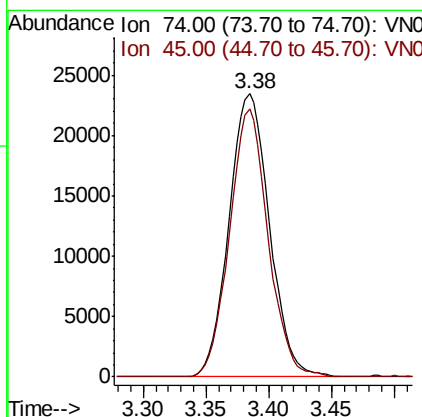
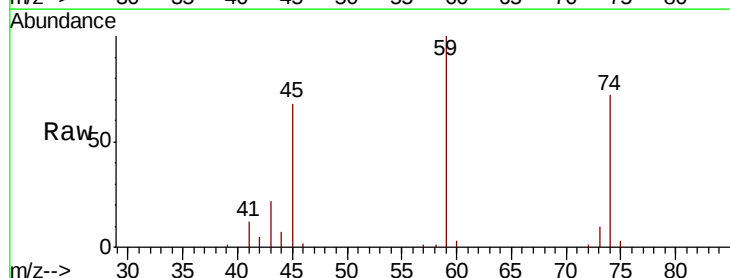
MMDadoda
 2/10/2020 9:32:37 AM



#8

Diethyl Ether
 Concen: 51.846 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060017.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.9	51.9	155.8





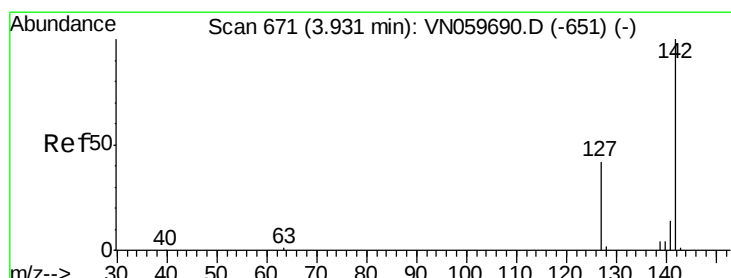
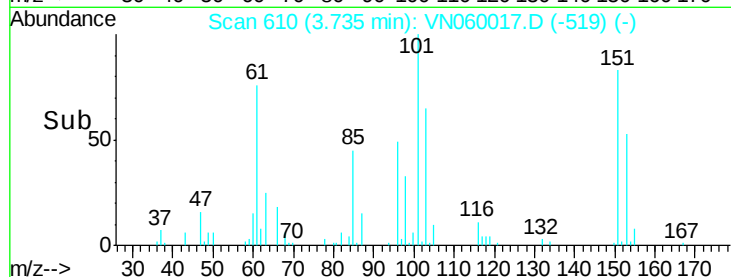
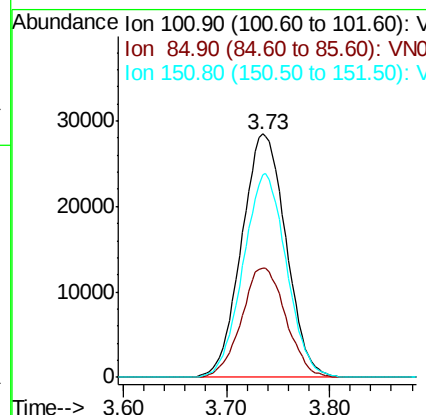
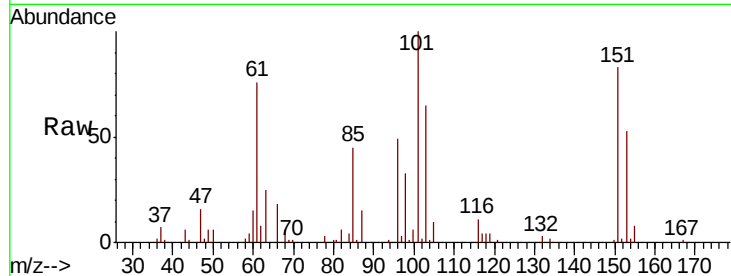
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.958 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.01 min
Lab File: VN060017.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	85186		
85	44.9	36.6	54.8	
151	81.7	59.7	89.5	

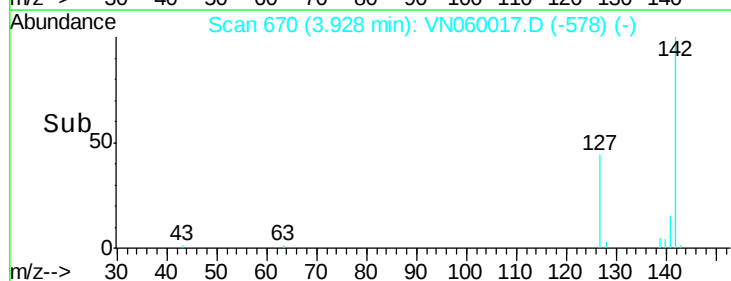
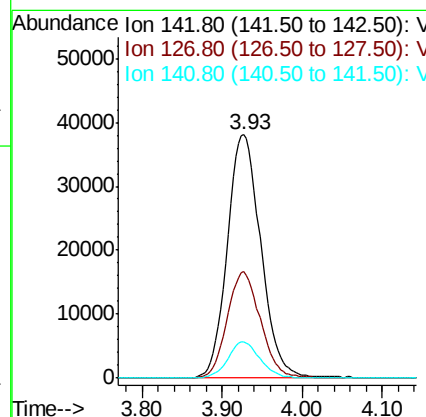
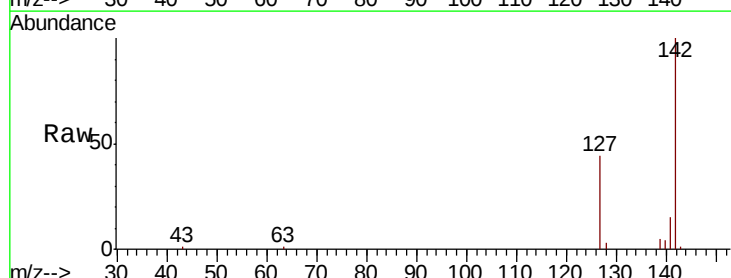
Manual Integrations
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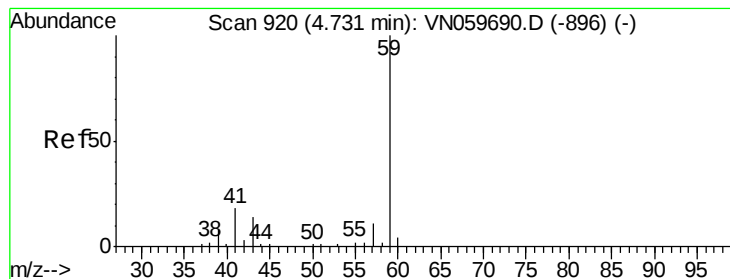
MMDadoda
2/10/2020 9:32:37 AM



#10
Methyl Iodide
Concen: 42.082 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	109415		
127	43.1	36.7	55.1	
141	14.3	11.7	17.5	





#11

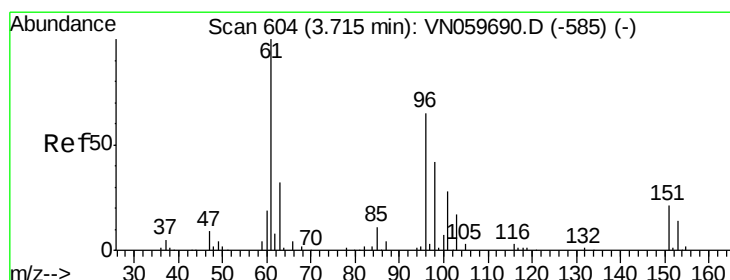
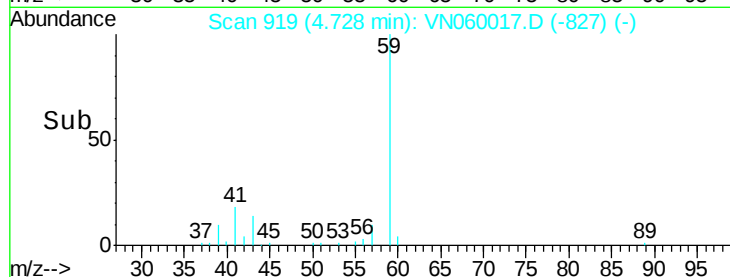
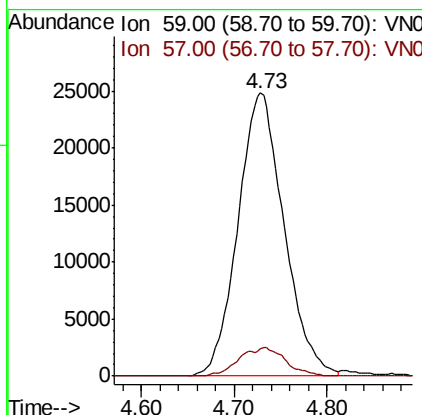
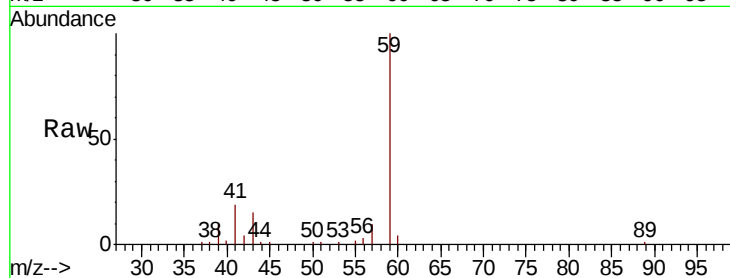
Tert butyl alcohol
 Concen: 249.266 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.0	8.6	12.8#

Manual Integrations
 APPROVED

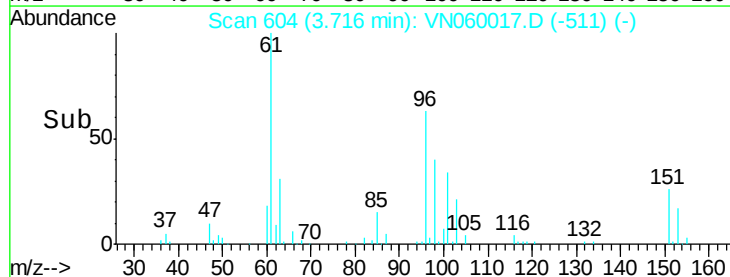
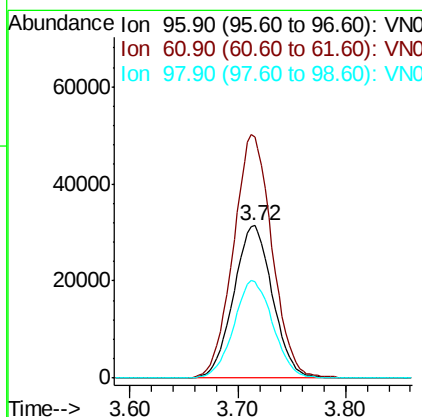
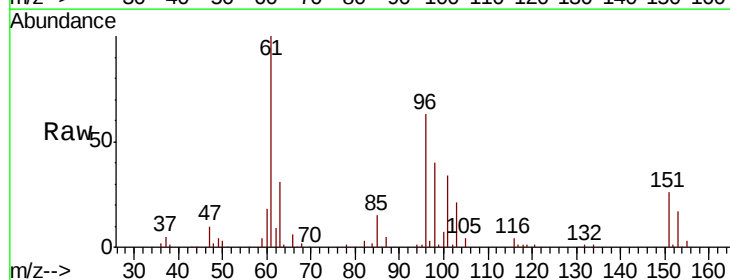
MMDadoda
 2/10/2020 9:32:37 AM



#12

1,1-Dichloroethene
 Concen: 46.951 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	137.5	206.3
98	62.9	50.2	75.4





#13

Acrolein

Concen: 183.245 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 44552

Ion Ratio Lower Upper

56 100

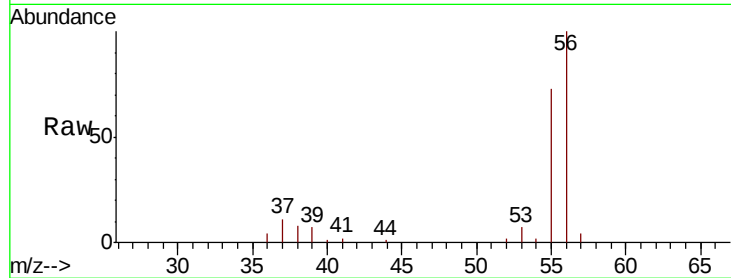
55 71.5 58.6 88.0

Manual Integrations

APPROVED

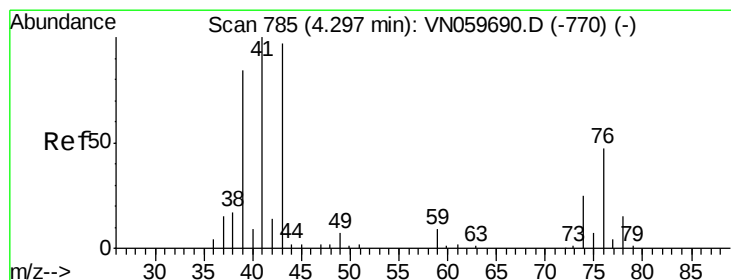
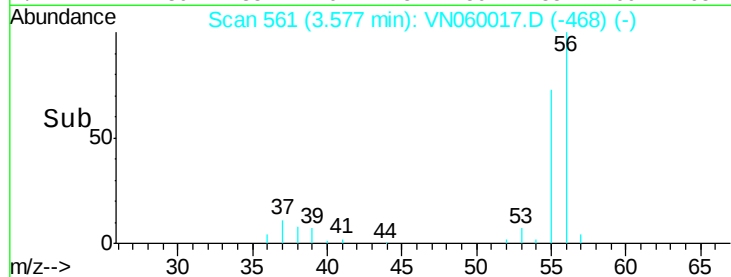
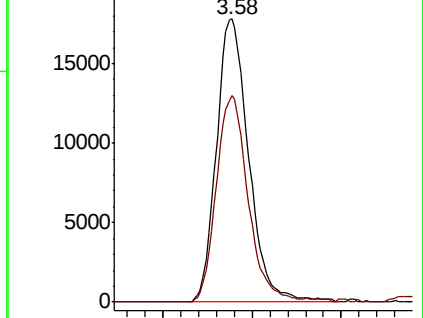
MMDadoda

2/10/2020 9:32:37 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.506 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

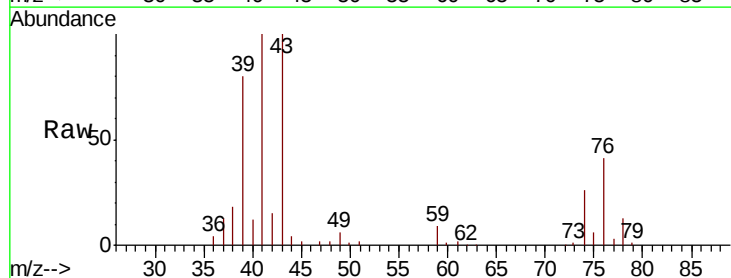
Tgt Ion: 41 Resp: 118955

Ion Ratio Lower Upper

41 100

39 81.0 57.8 86.8

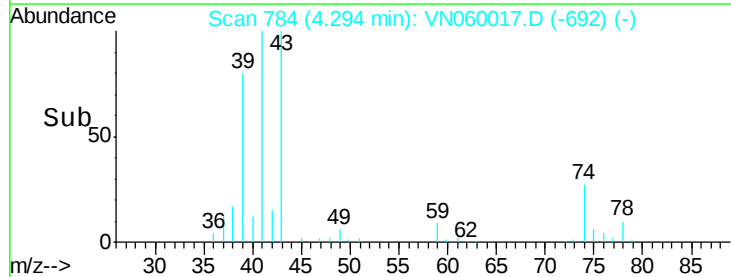
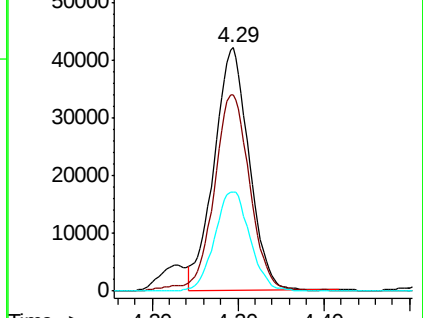
76 41.3 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 282.207 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

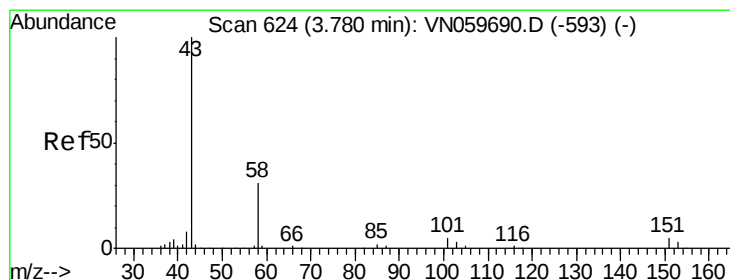
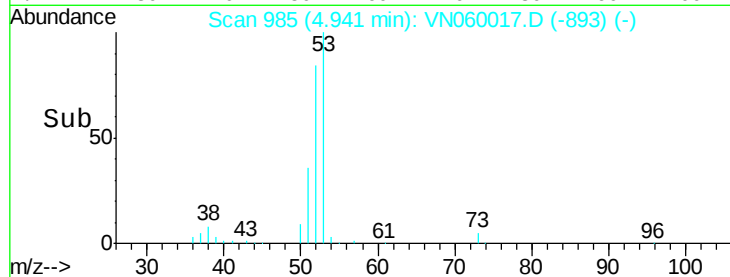
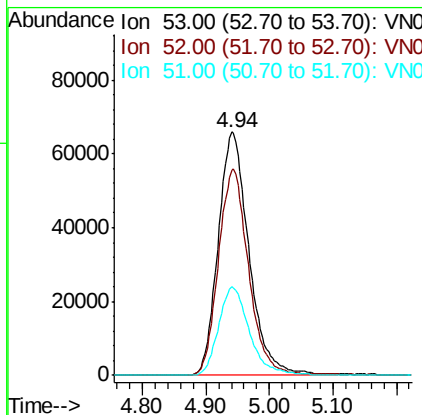
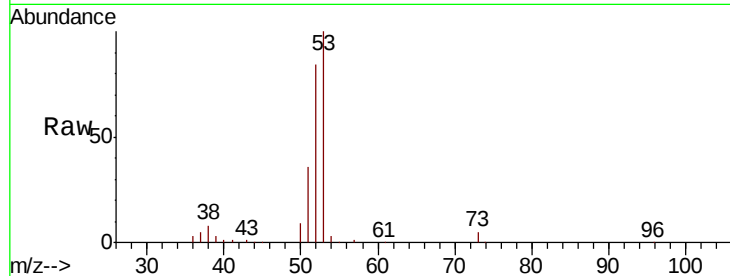
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	221098
Ion Ratio		Lower	Upper
53	100		
52	82.9	66.3	99.5
51	36.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 382.760 ug/l

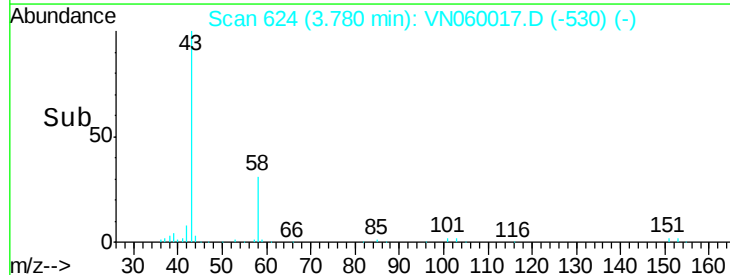
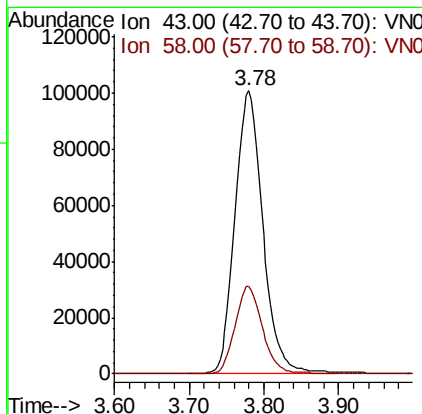
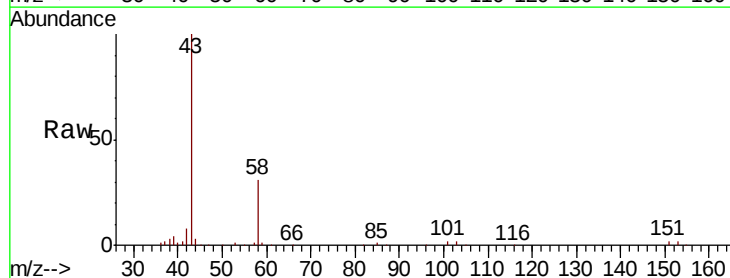
RT: 3.78 min Scan# 624

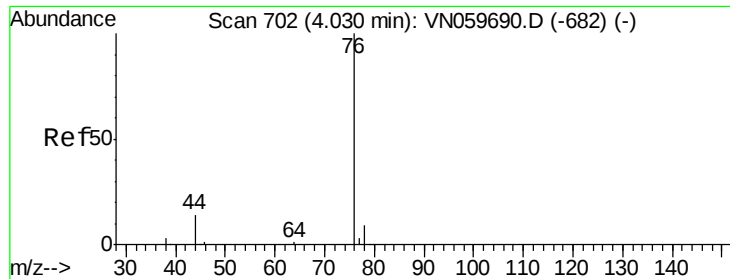
Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:	43	Resp:	262649
Ion Ratio		Lower	Upper
43	100		
58	30.7	23.6	35.4





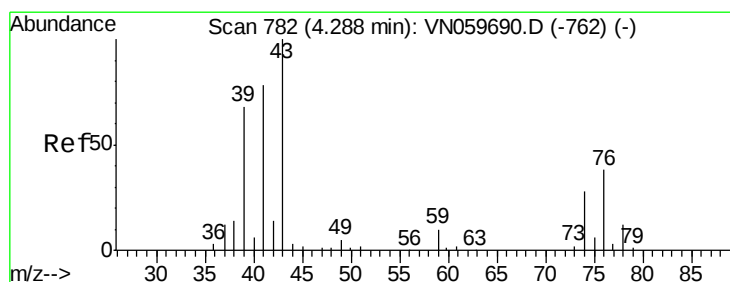
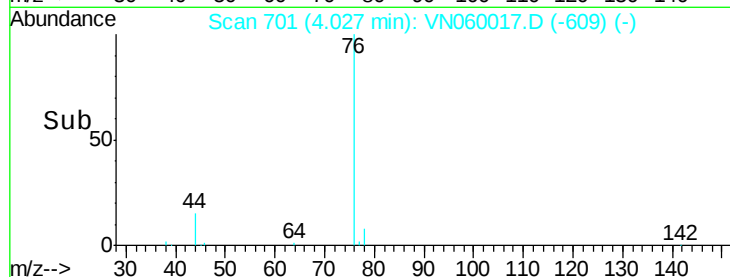
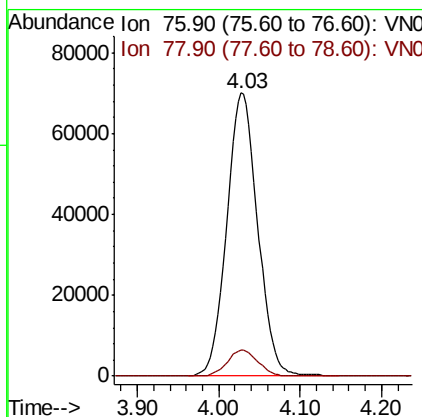
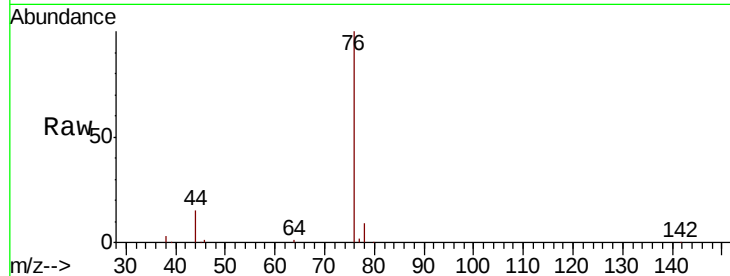
#17
Carbon Disulfide
Concen: 38.808 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

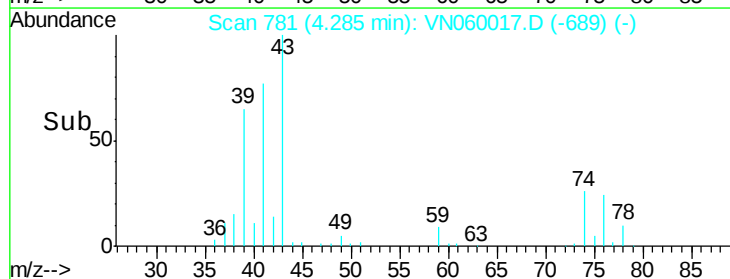
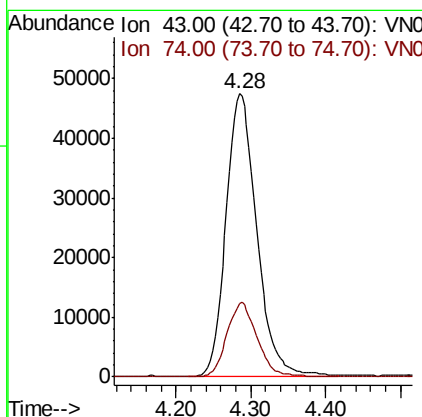
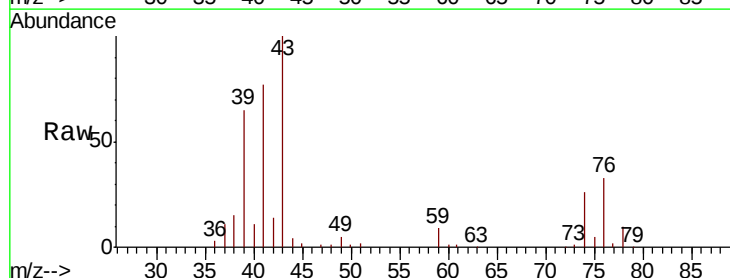
Manual Integrations
APPROVED

MMDadoda
2/10/2020 9:32:37 AM



#18
Methyl Acetate
Concen: 57.178 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	17.5	26.3





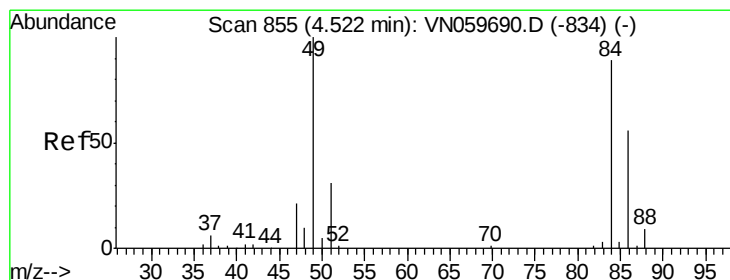
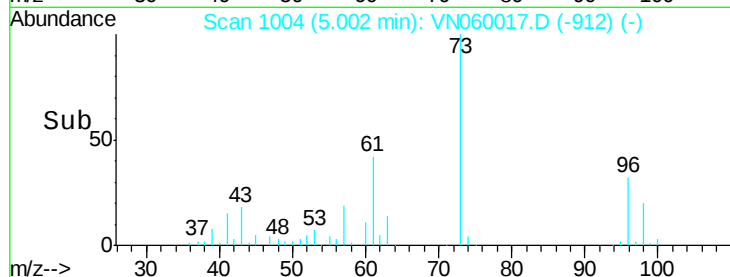
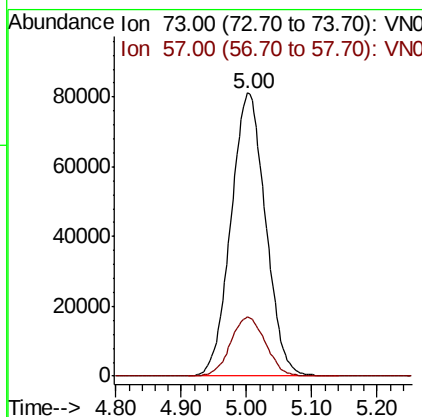
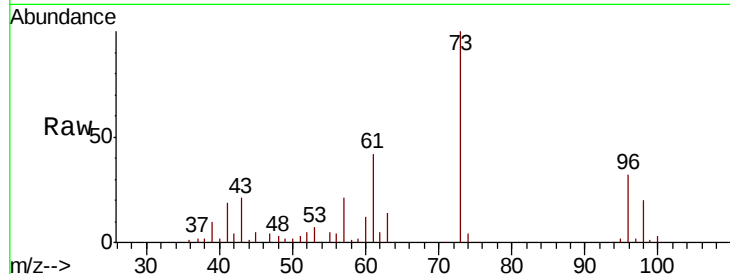
#19
Methvl tert-butvl Ether
Concen: 54.624 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 299349
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

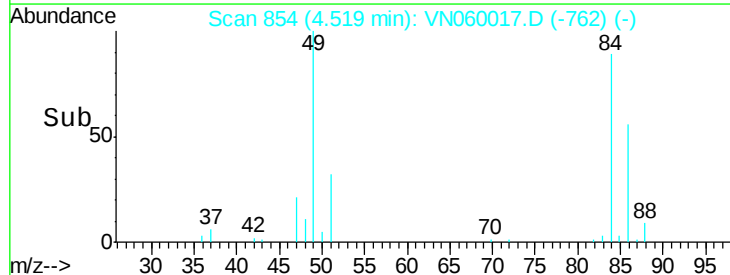
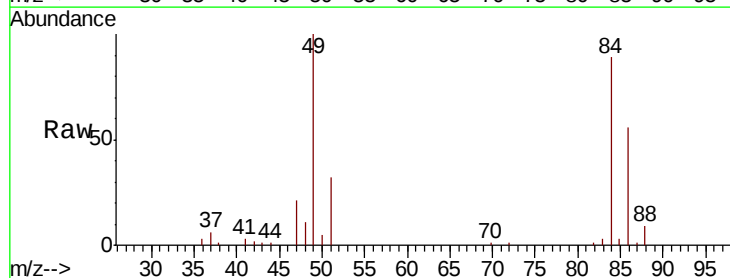
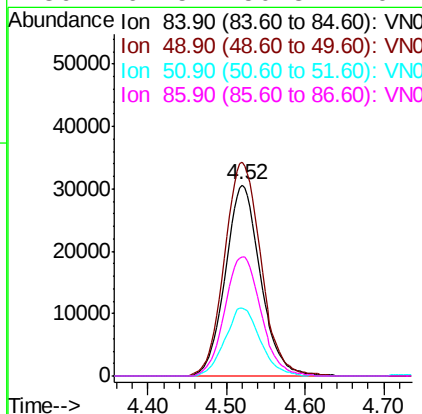
Manual Integrations
APPROVED

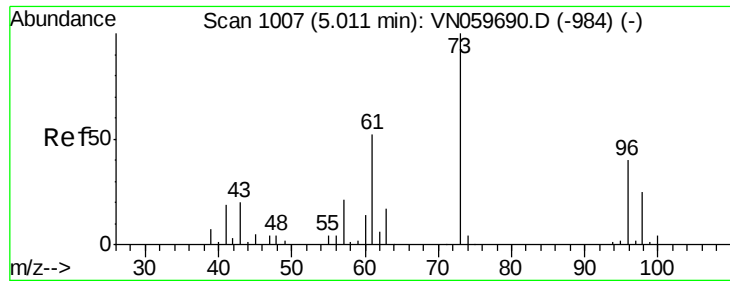
MMDadoda
2/10/2020 9:32:37 AM



#20
Methylene Chloride
Concen: 51.388 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 84 Resp: 94788
Ion Ratio Lower Upper
84 100
49 111.9 106.6 160.0
51 35.3 31.9 47.9
86 62.5 50.8 76.2





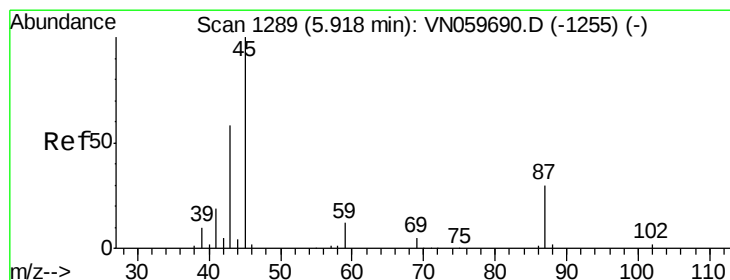
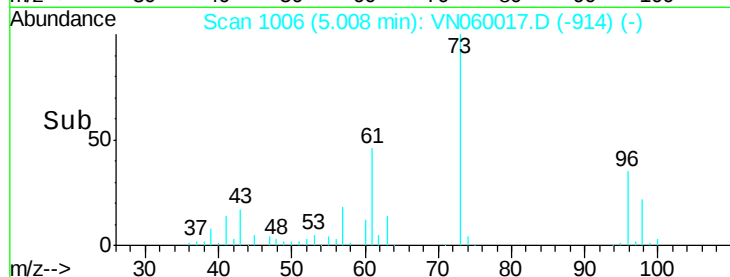
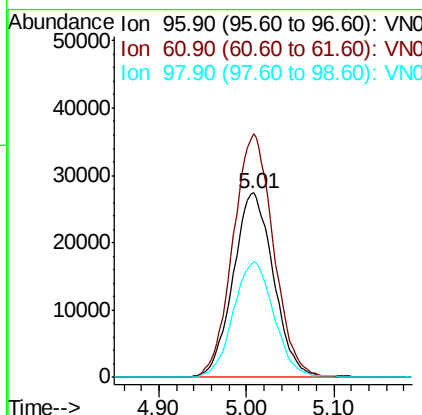
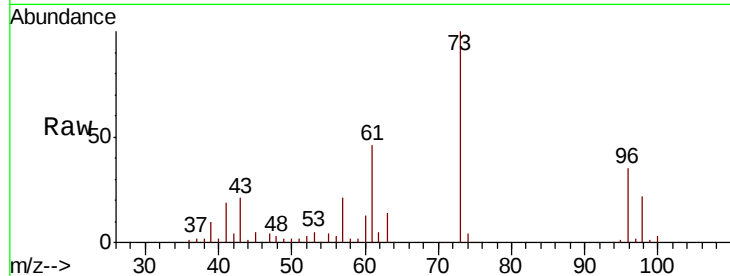
#21
trans-1,2-Dichloroethene
Concen: 49.174 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	120.4	180.6
98	62.6	50.6	75.8

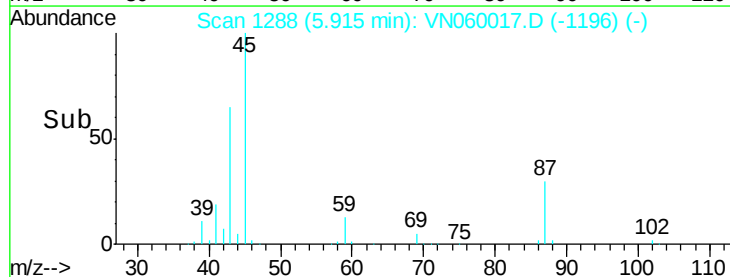
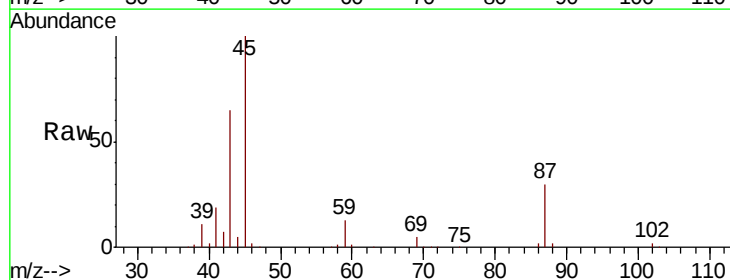
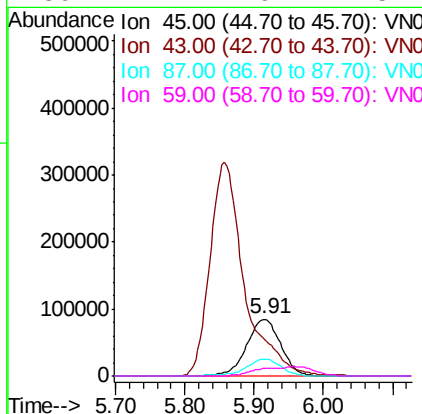
Manual Integrations
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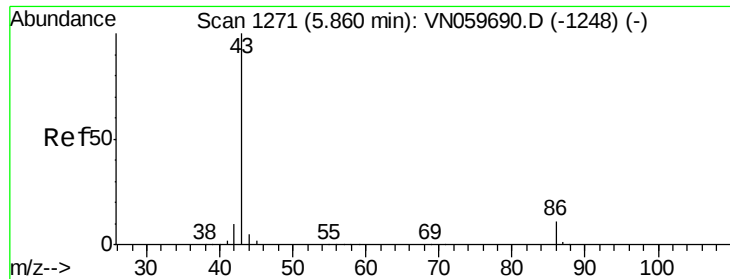
MMDadoda
2/10/2020 9:32:37 AM



#22
Diisopropyl ether
Concen: 56.395 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.4	50.8	76.2
87	30.4	21.0	31.6
59	12.7	9.1	13.7





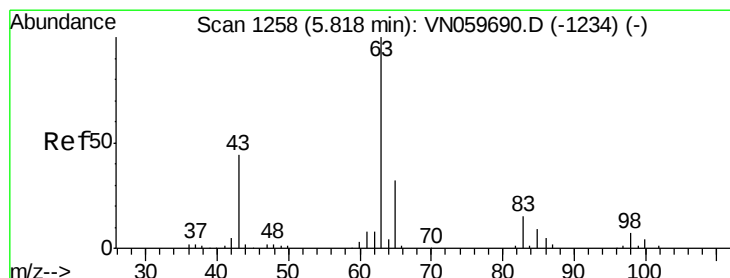
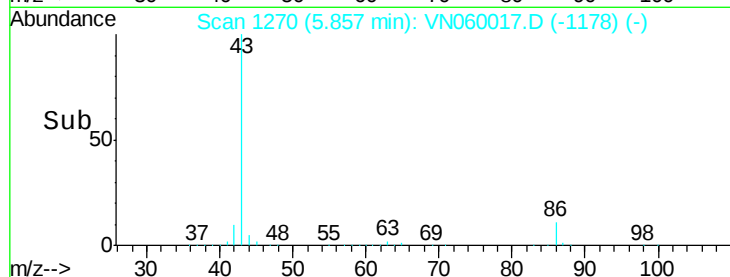
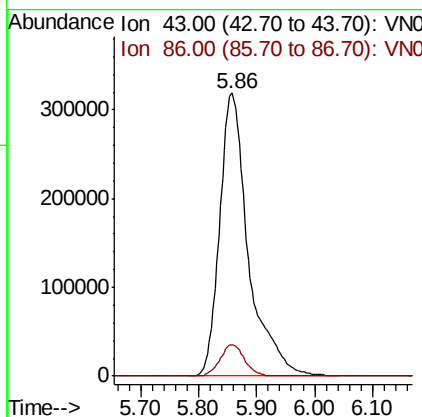
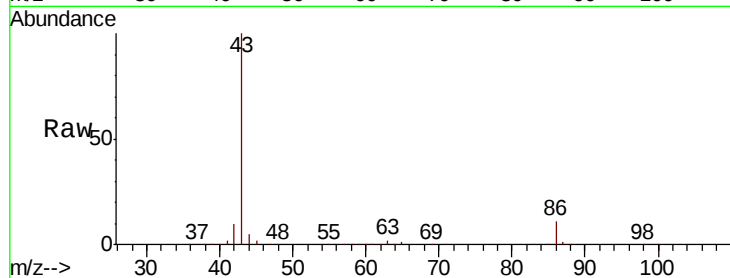
#23
 Vinyl Acetate
 Concen: 277.336 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1102429
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.6 11.4

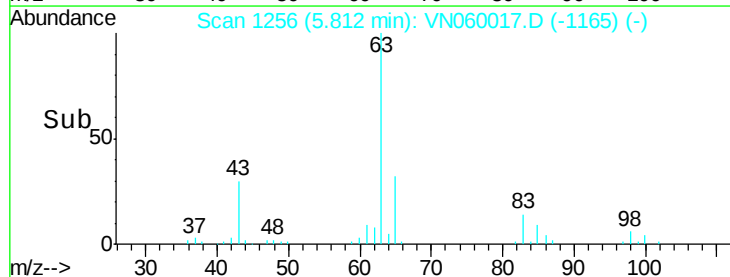
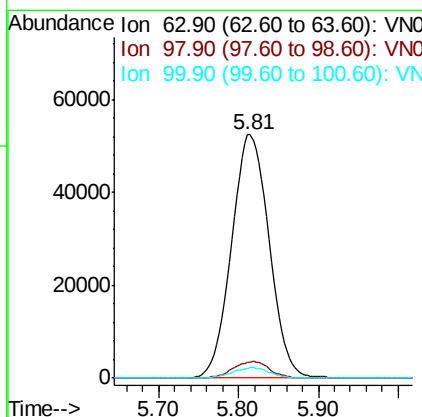
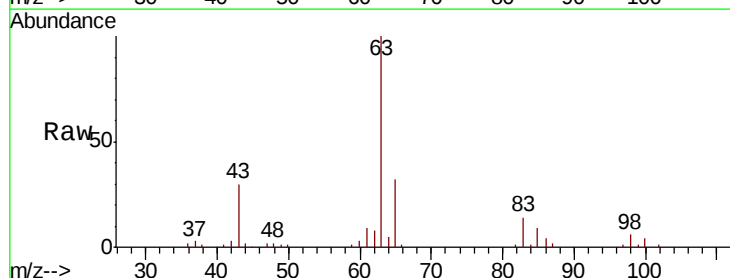
Manual Integrations
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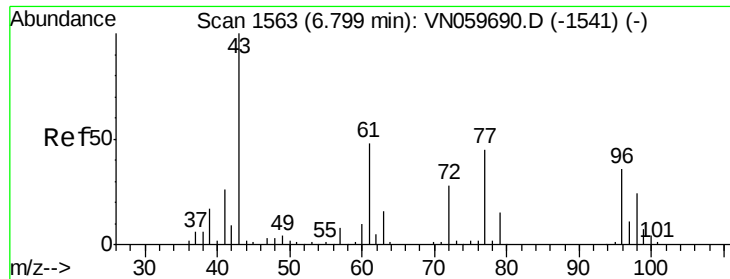
MMDadoda
 2/10/2020 9:32:37 AM



#24
 1,1-Dichloroethane
 Concen: 53.428 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion: 63 Resp: 167608
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.7
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 292.409 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tot Ion: 43 Resp: 337839

Ion Ratio Lower Upper

43 100

72 28.7 19.9 29.9

Instrument :

MSVOA_N

ClientSampleId :

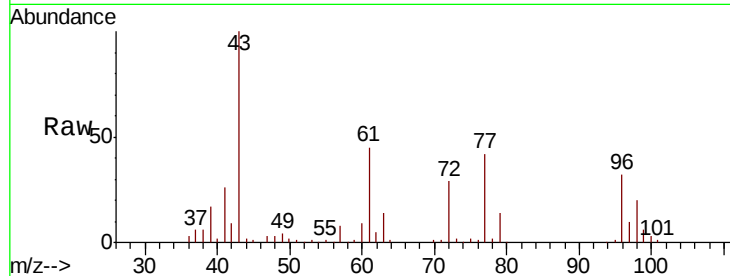
VSTDCCC050

Manual Integrations

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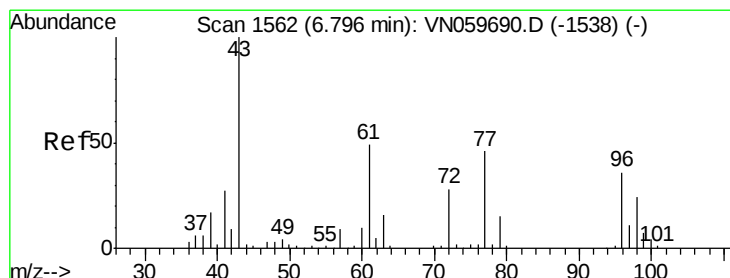
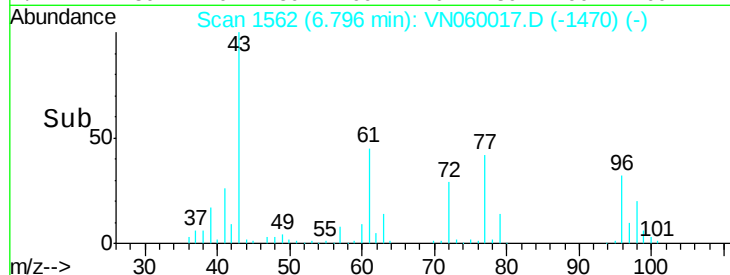
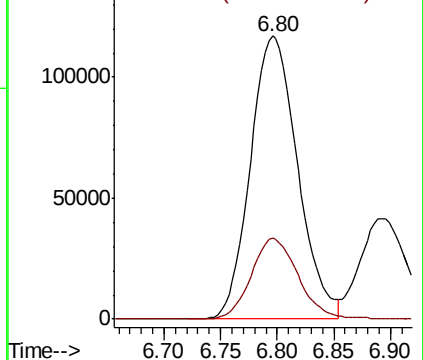
MMDadoda

2/10/2020 9:32:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 53.509 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060017.D

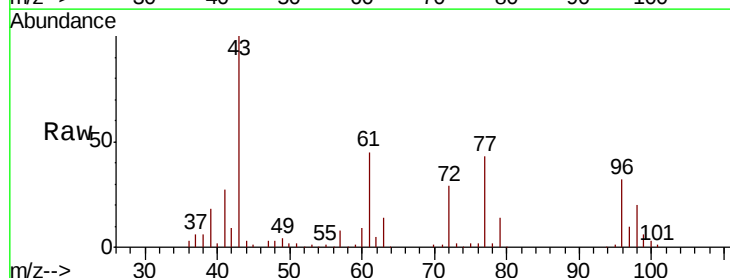
Acq: 7 Feb 2020 8:59

Tgt Ion: 77 Resp: 161380

Ion Ratio Lower Upper

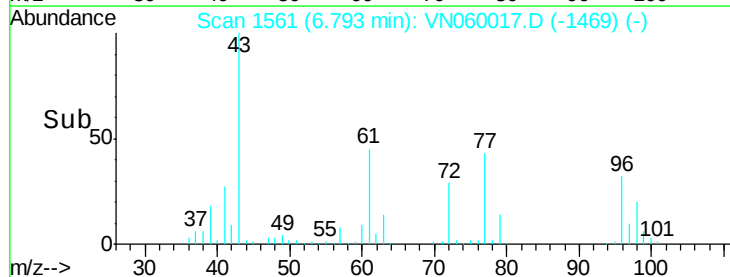
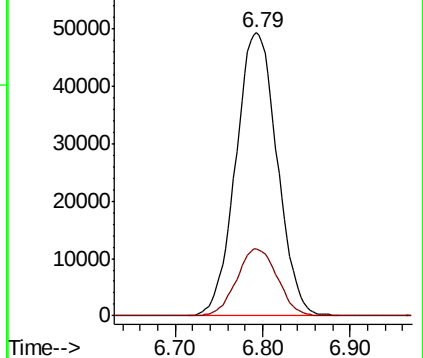
77 100

97 23.3 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 52.831 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

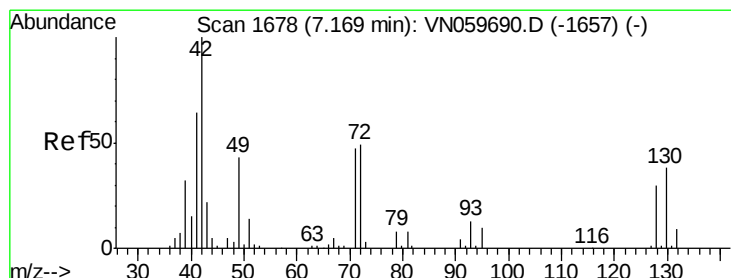
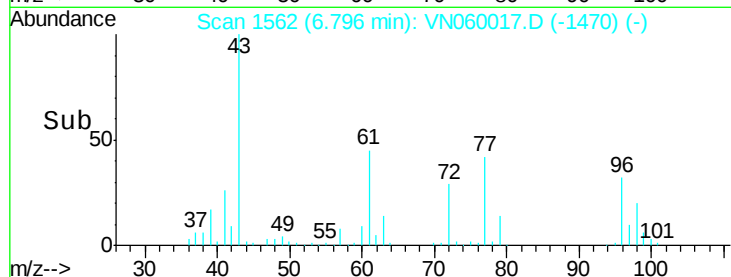
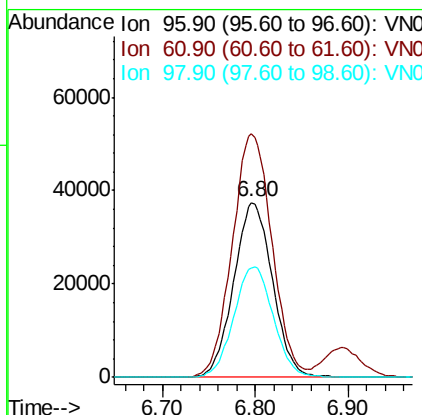
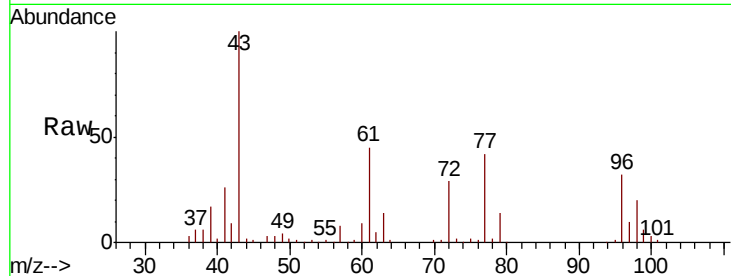
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	108568
Ion Ratio	Lower	Upper	
96	100		
61	142.9	0.0	317.6
98	64.6	0.0	127.0

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#28

Bromochloromethane

Concen: 51.325 ug/l

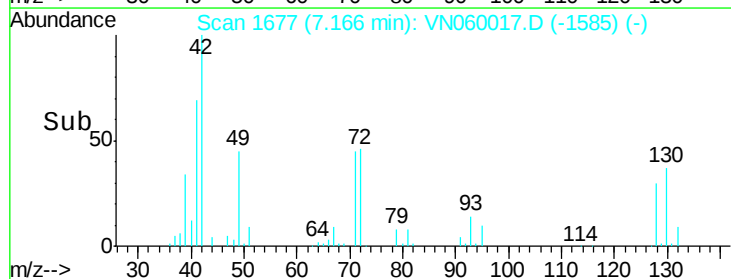
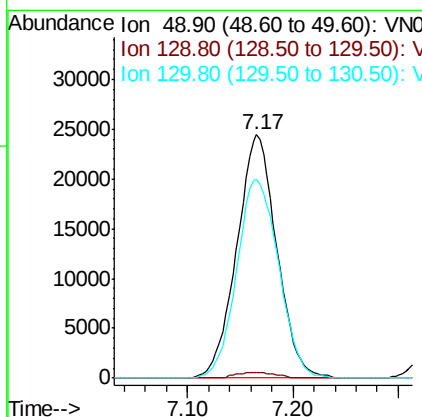
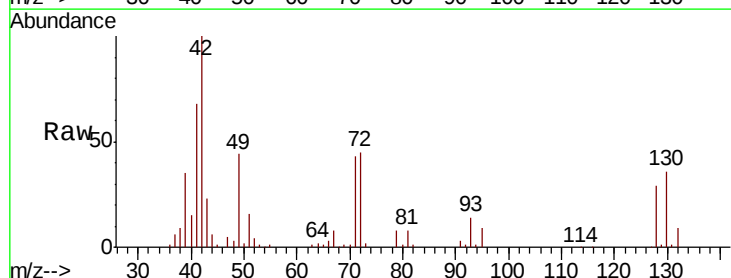
RT: 7.17 min Scan# 1677

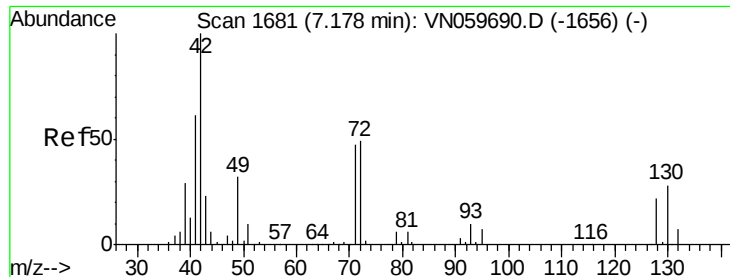
Delta R.T. -0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:	49	Resp:	64354
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	3.4
130	85.4	54.7	82.1#





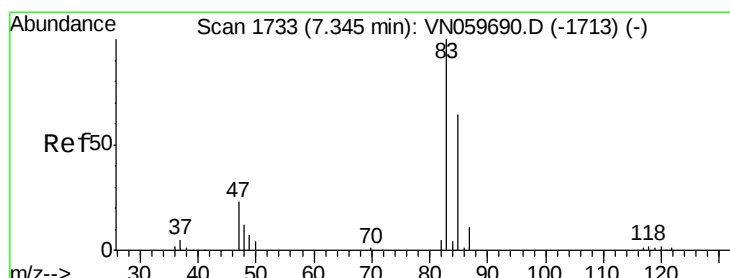
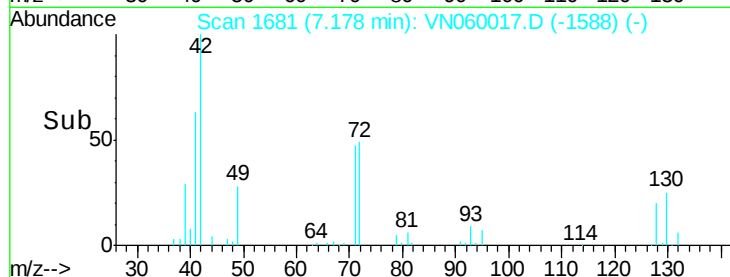
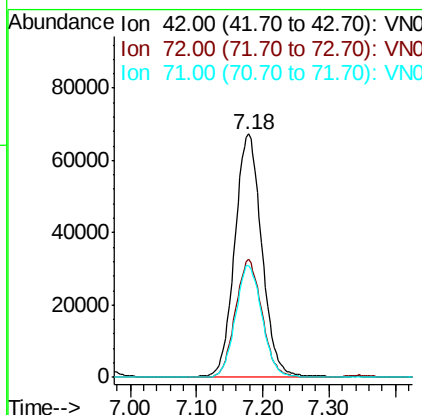
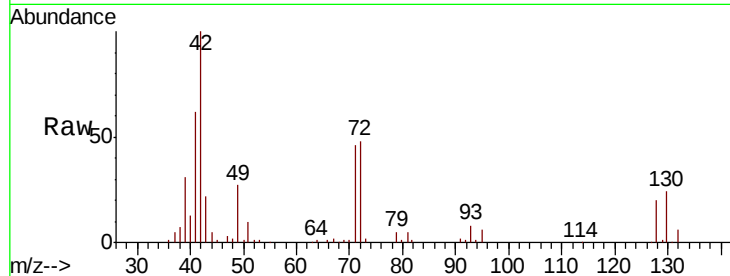
#29
Tetrahydrofuran
Concen: 268.445 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	33.1	49.7
71	44.9	31.4	47.0

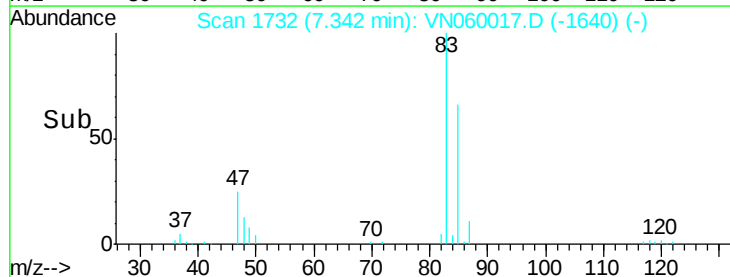
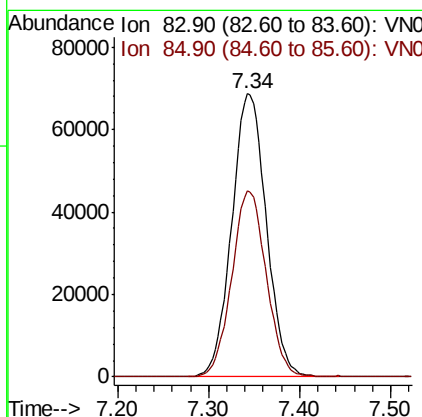
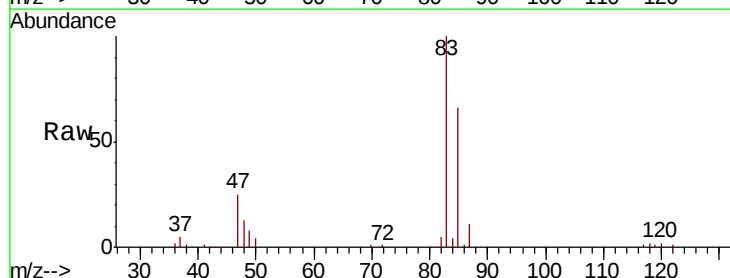
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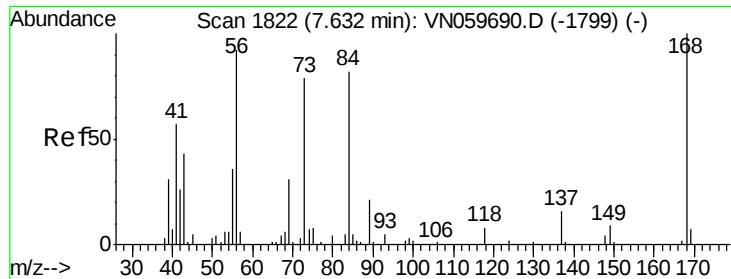
MMDadoda
2/10/2020 9:32:37 AM



#30
Chloroform
Concen: 55.791 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6





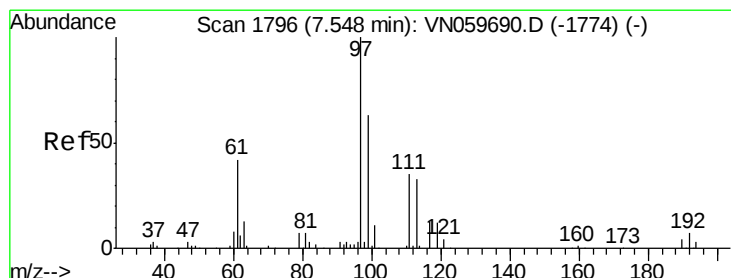
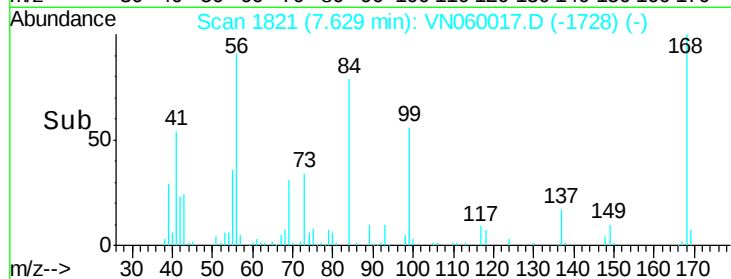
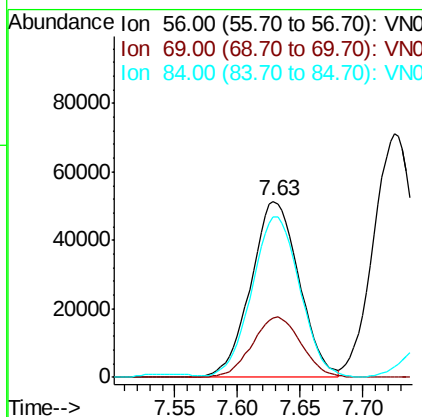
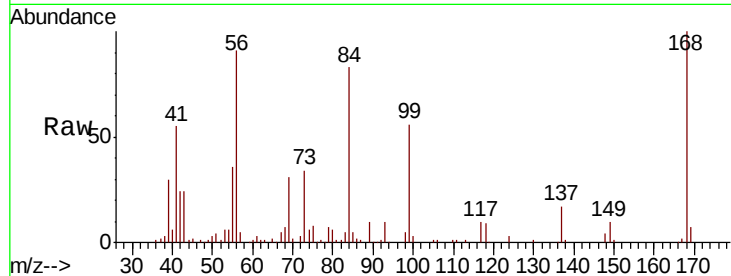
#31
Cyclohexane
Concen: 45.502 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.5	39.7
84	89.7	65.3	97.9

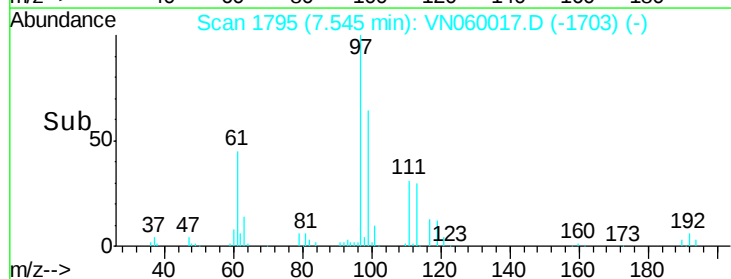
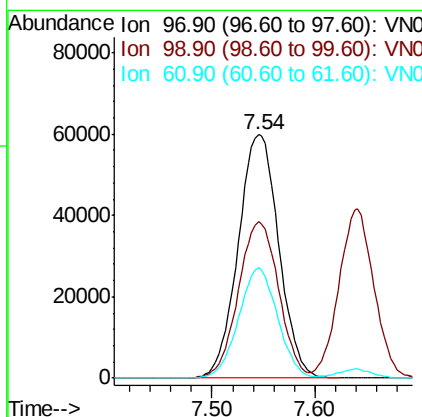
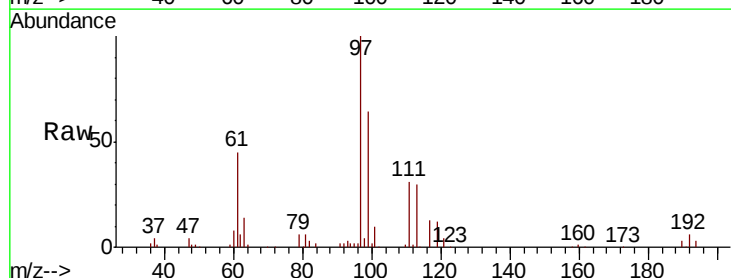
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#32
1,1,1-Trichloroethane
Concen: 54.402 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.4
61	43.6	38.5	57.7





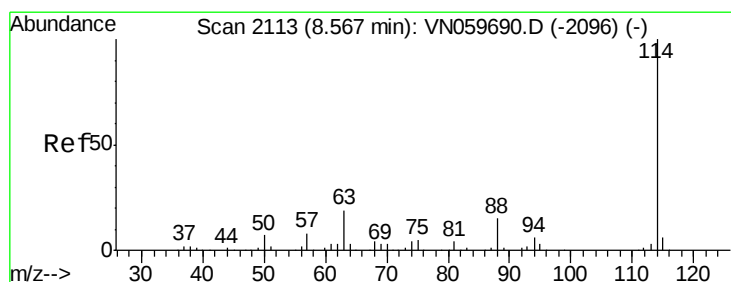
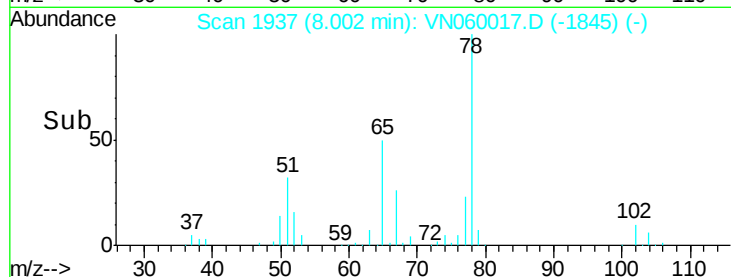
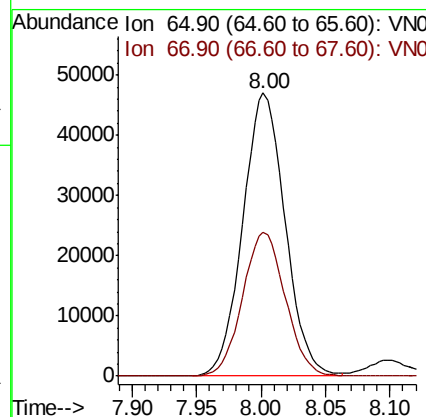
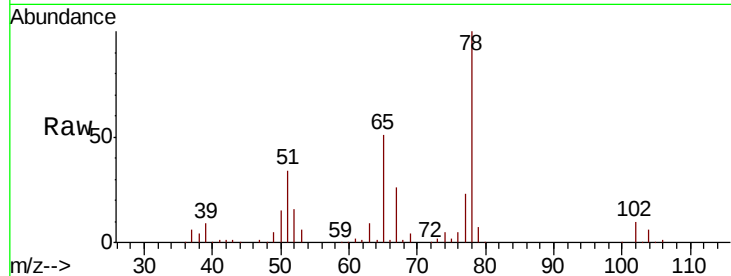
#33
 1,2-Dichloroethane-d4
 Concen: 52.652 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107421		
67	51.3	0.0	103.0	

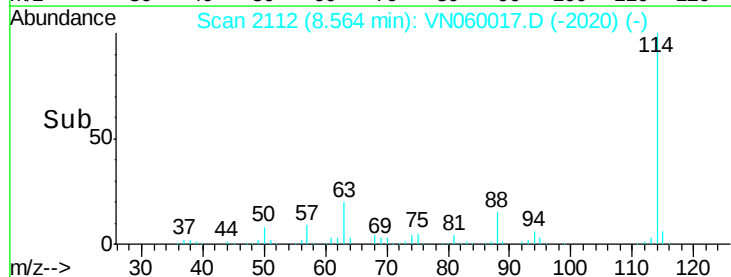
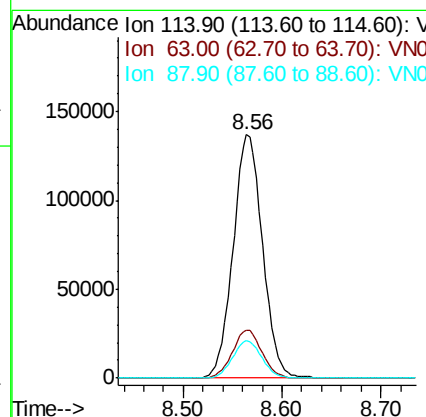
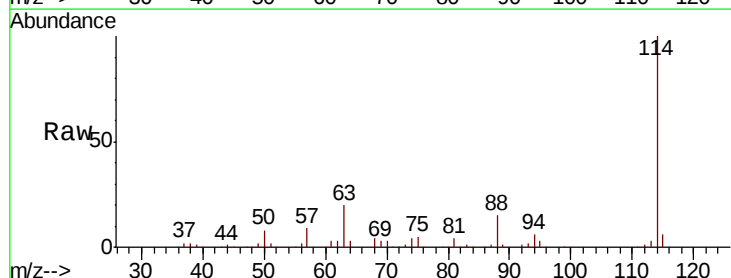
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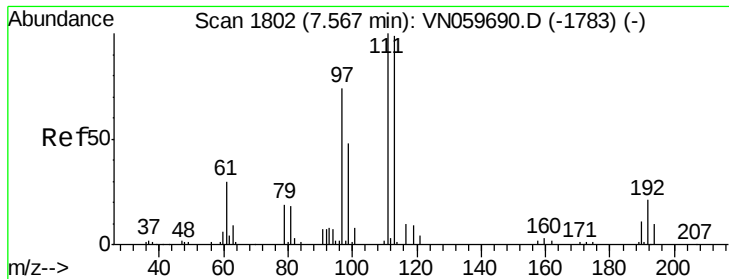
MMDadoda
 2/10/2020 9:32:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	284922		
63	19.7	0.0	43.6	
88	15.3	0.0	31.4	





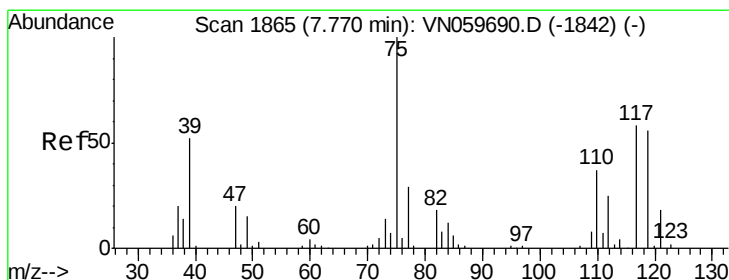
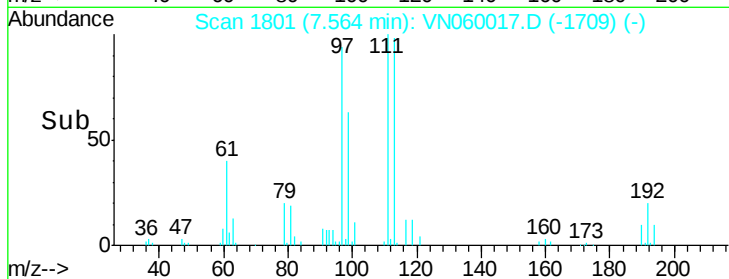
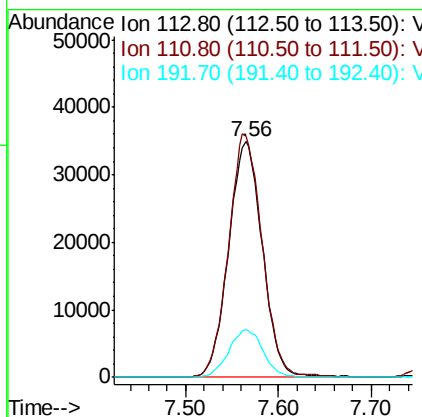
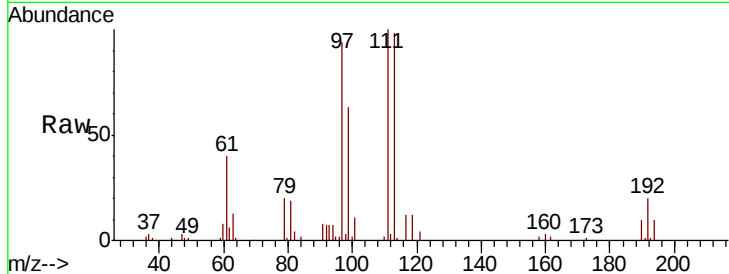
#35
 Dibromofluoromethane
 Concen: 51.906 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	88194		
111	101.8	83.5	125.3	
192	20.5	15.4	23.2	

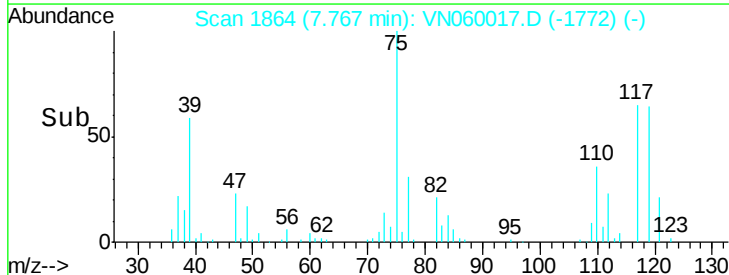
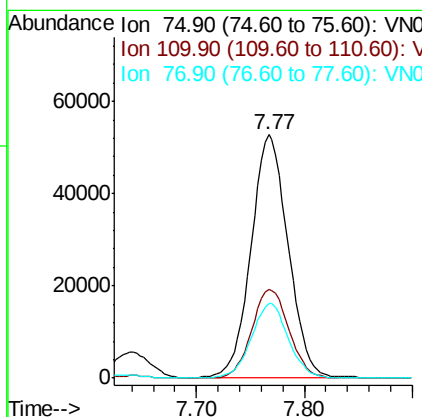
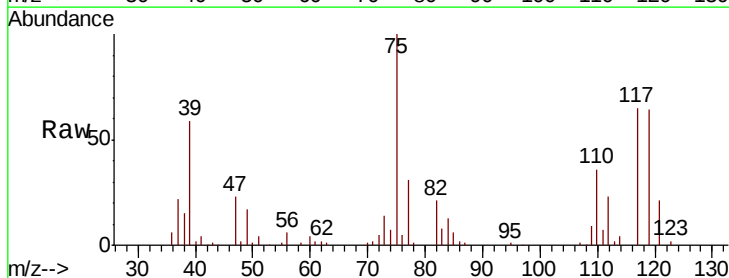
Manual Integrations
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 2/10/2020 9:32:37 AM



#36
 1,1-Dichloropropene
 Concen: 50.783 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126004		
110	36.5	16.6	49.7	
77	30.4	25.1	37.7	





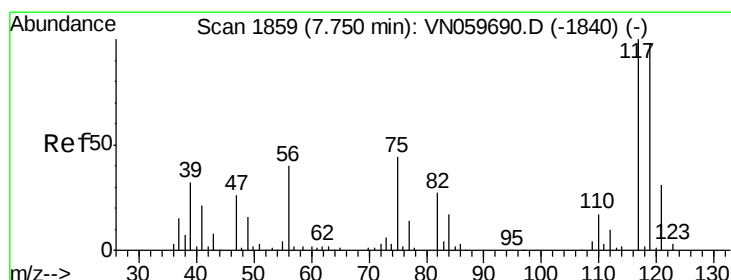
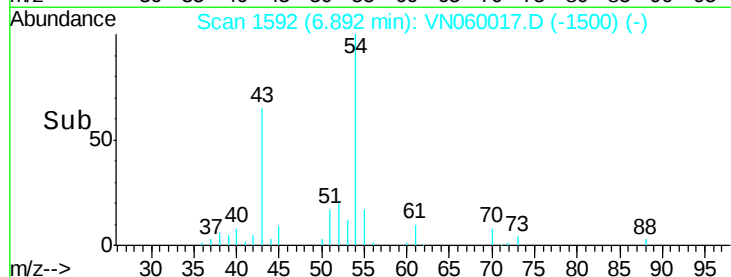
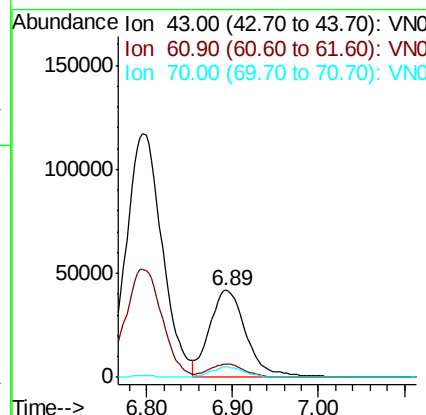
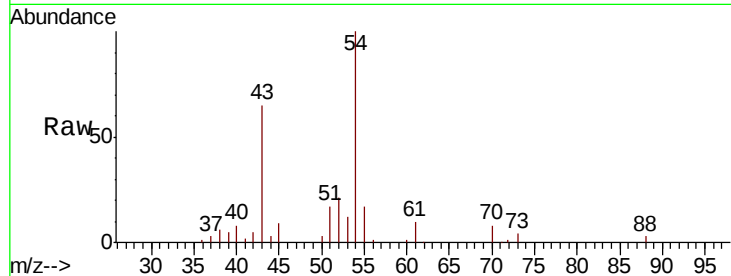
#37
Ethyl Acetate
Concen: 52.739 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	11.1	7.7	11.5

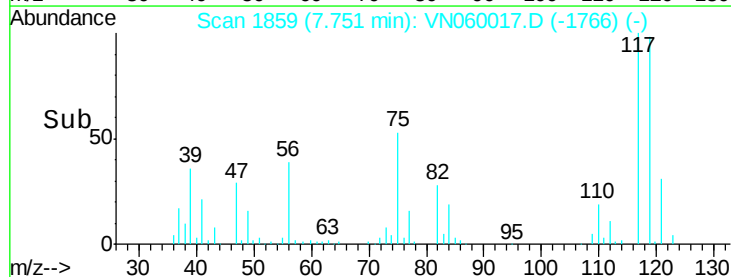
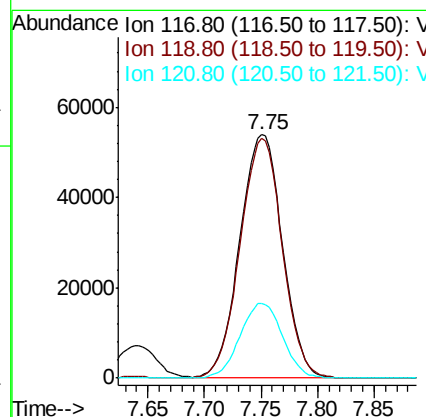
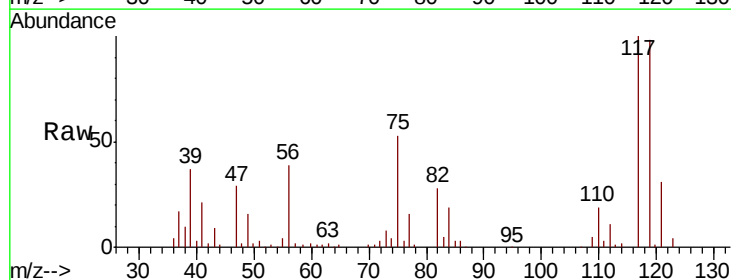
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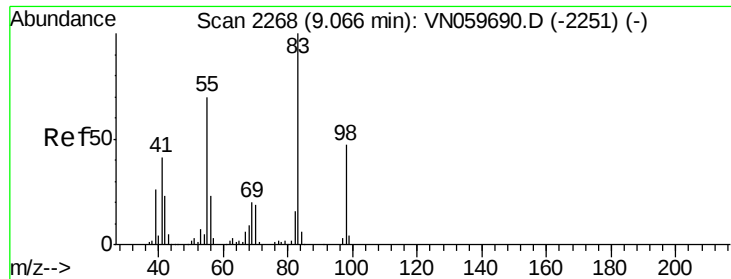
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#38
Carbon Tetrachloride
Concen: 52.462 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.5	114.7
121	30.8	25.1	37.7





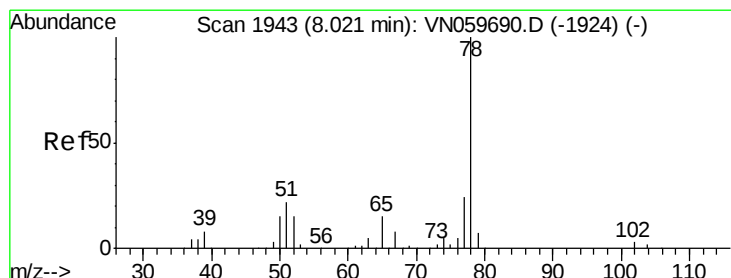
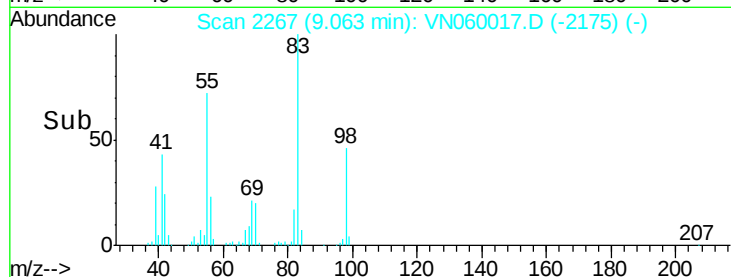
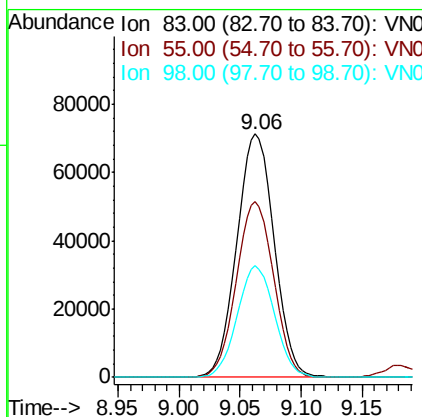
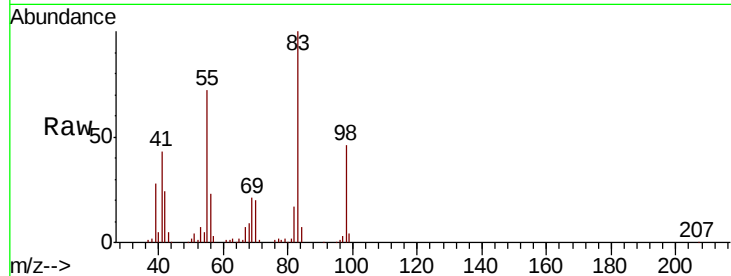
#39
Methvlcvclohexane
Concen: 49.392 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	151109		
55	72.4		64.2	96.2
98	45.9		35.9	53.9

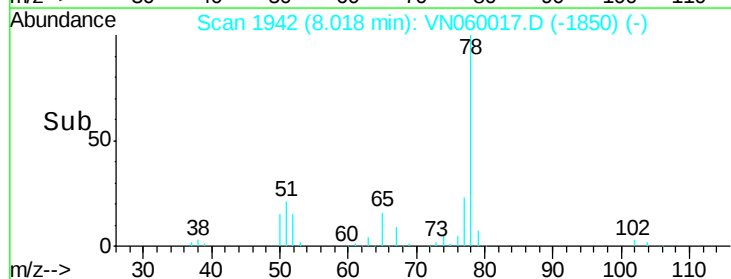
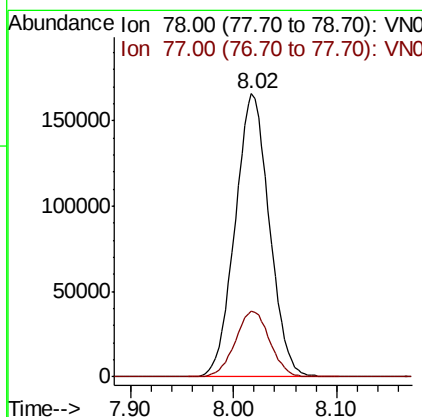
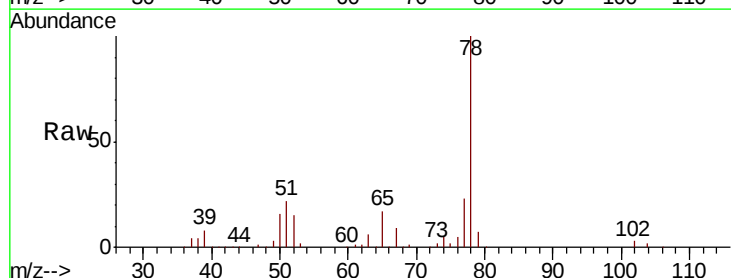
Manual Integrations
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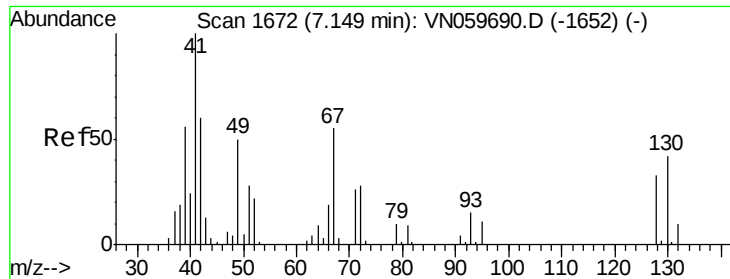
MMDadoda
2/10/2020 9:32:37 AM



#40
Benzene
Concen: 51.713 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	382665		
77	23.1		18.9	28.3





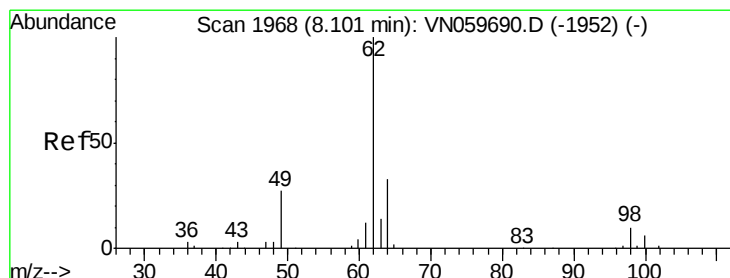
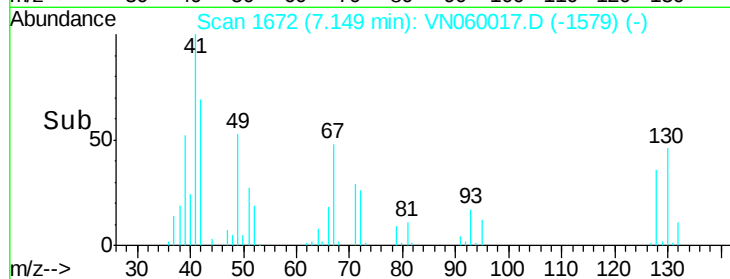
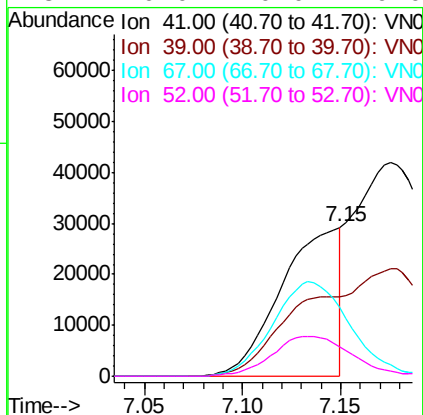
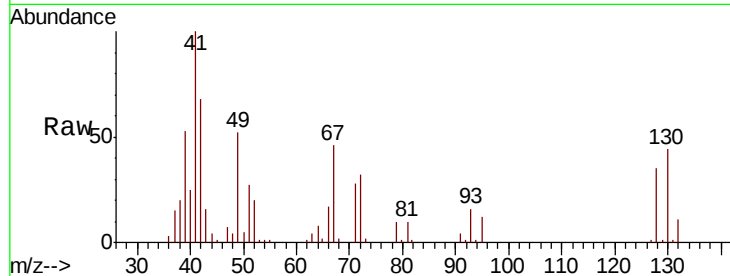
#41
Methacrylonitrile
Concen: 53.513 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		61339		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

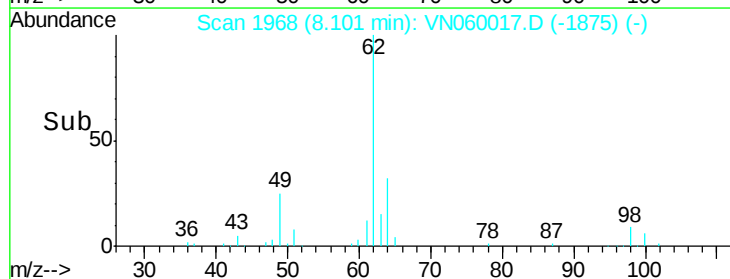
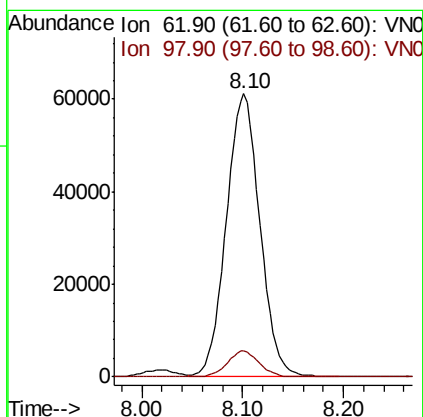
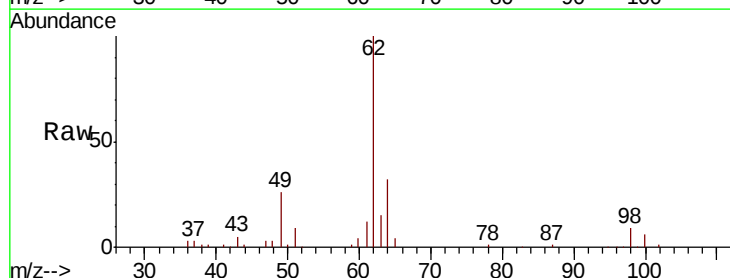
Manual Integrations
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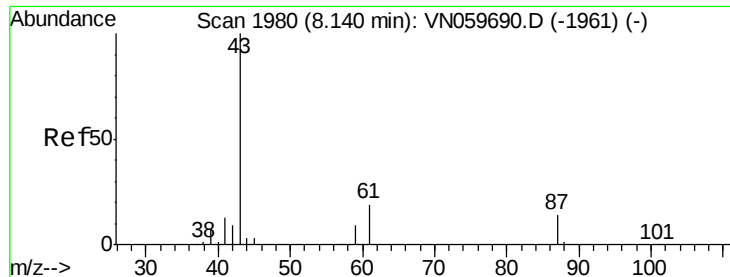
MMDadoda
2/10/2020 9:32:37 AM



#42
1,2-Dichloroethane
Concen: 56.543 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		141862		
98	8.7	0.0	15.8		





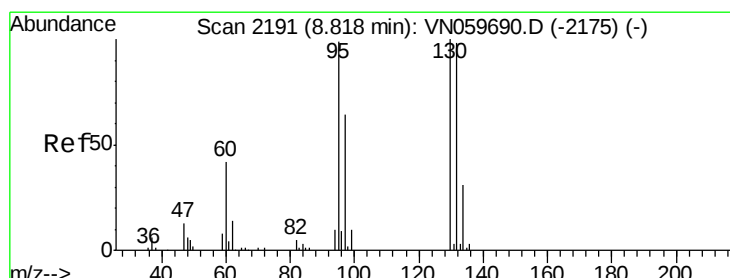
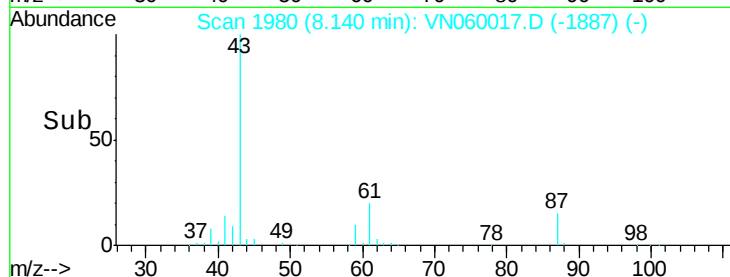
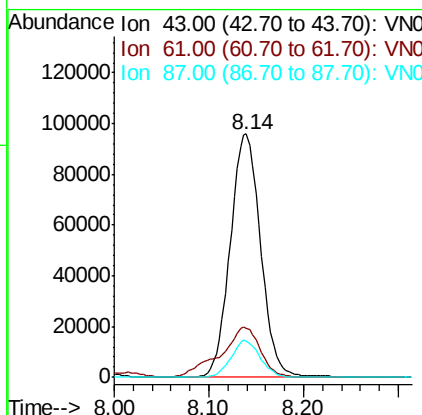
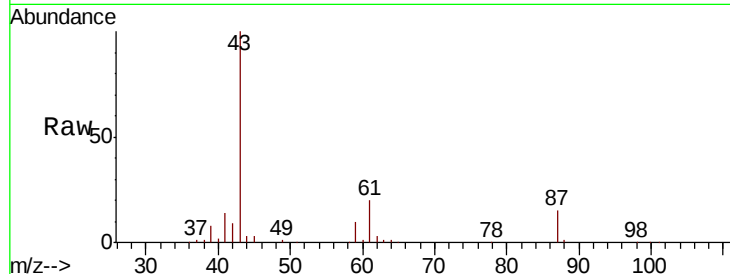
#43
Isopropyl Acetate
Concen: 53.614 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.2	30.2
87	14.5	9.5	14.3

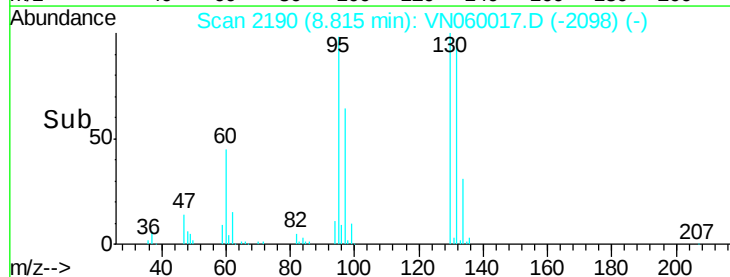
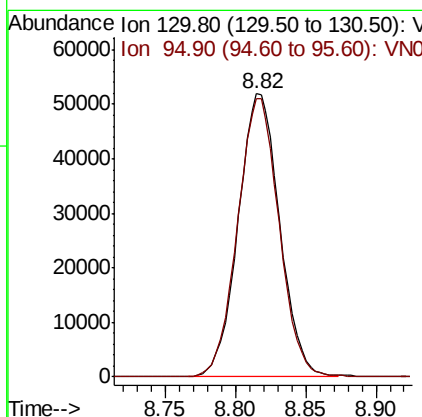
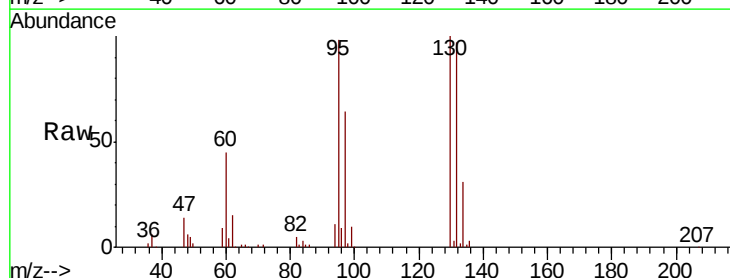
Manual Integrations
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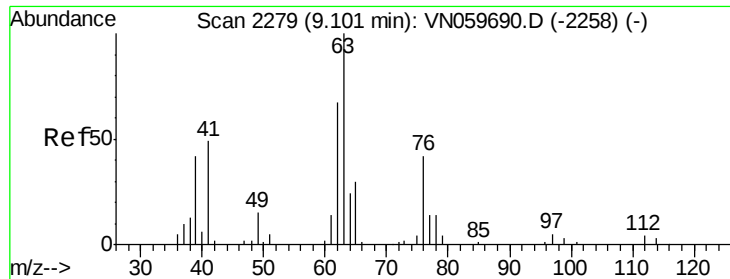
MMDadoda
2/10/2020 9:32:37 AM



#44
Trichloroethene
Concen: 52.854 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	207.0





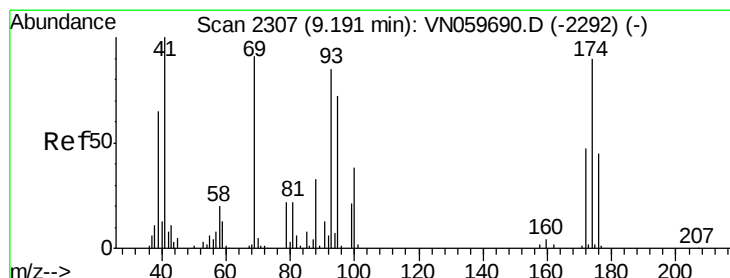
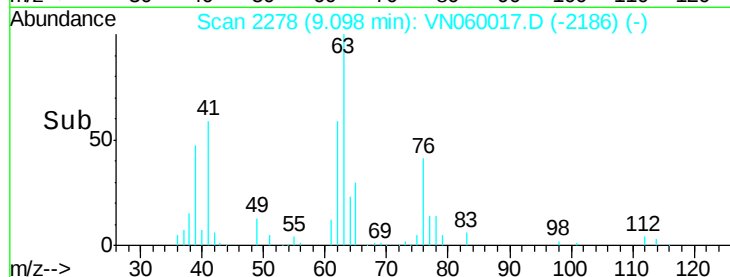
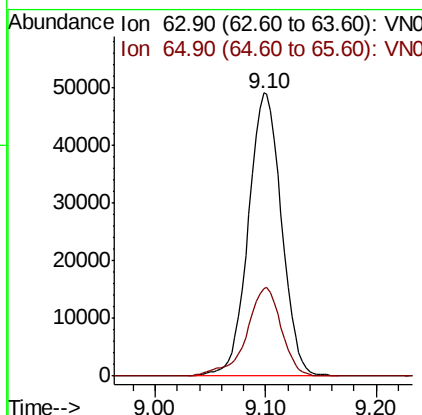
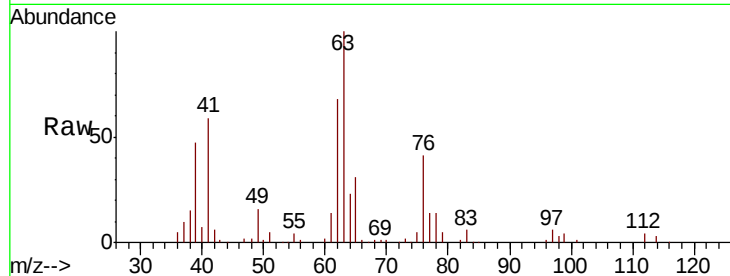
#45
 1,2-Dichloropropane
 Concen: 56.001 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 102544
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.9 37.3

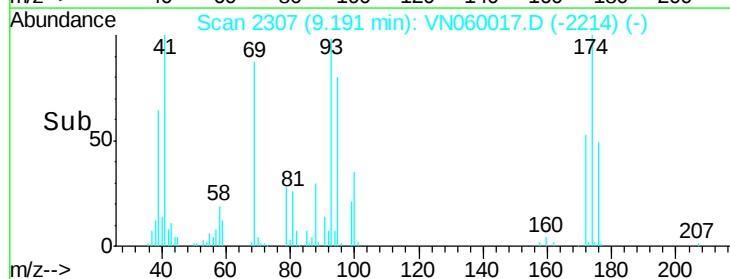
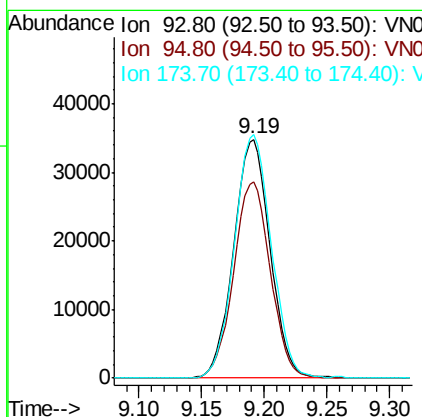
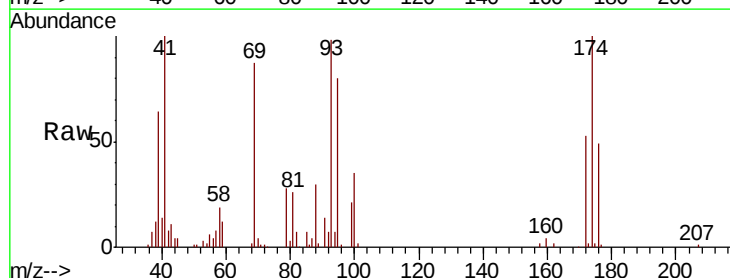
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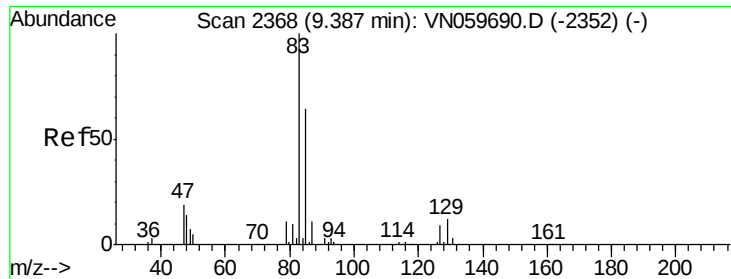
MMDadoda
 2/10/2020 9:32:37 AM



#46
 Dibromomethane
 Concen: 54.457 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion: 93 Resp: 70341
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.0 100.6
 174 103.3 73.4 110.2





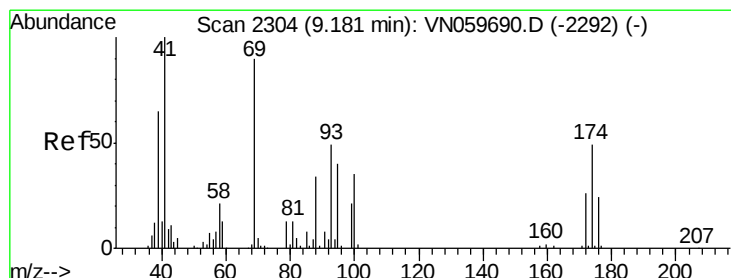
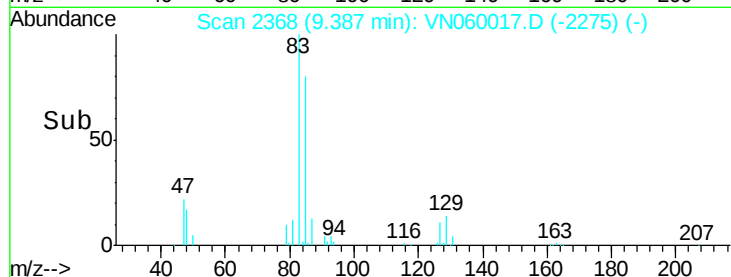
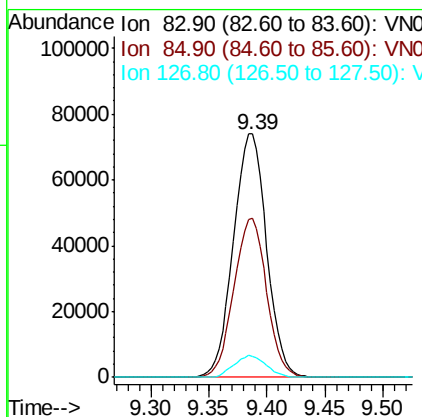
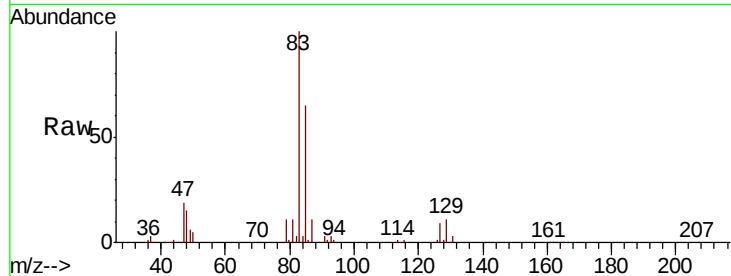
#47
Bromodichloromethane
Concen: 56.532 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.5	51.1	76.7	
127	8.7	6.6	9.8	

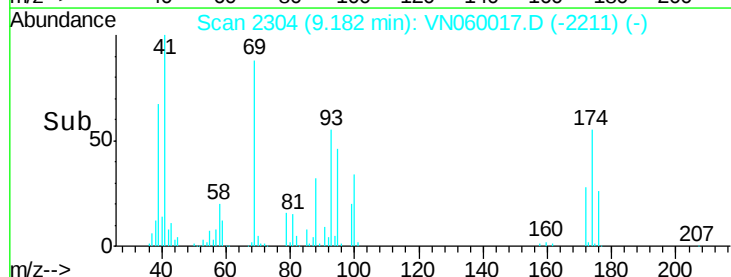
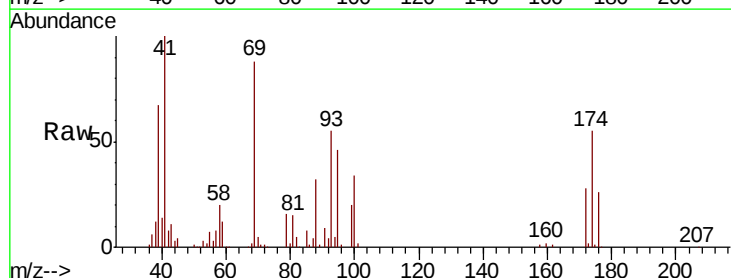
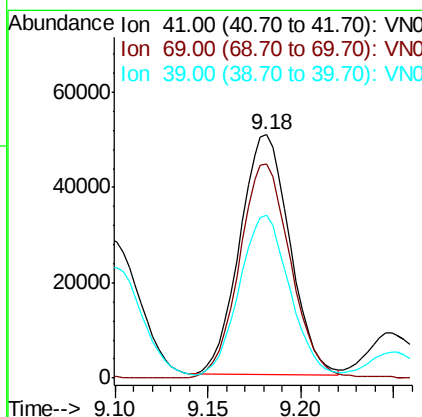
Manual Integrations
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#48
Methyl methacrylate
Concen: 52.817 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.3	64.4	96.6	
39	66.6	51.3	76.9	





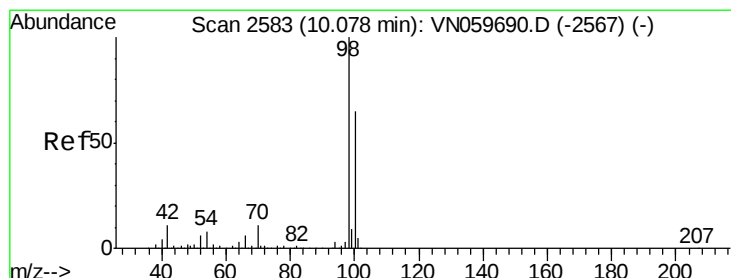
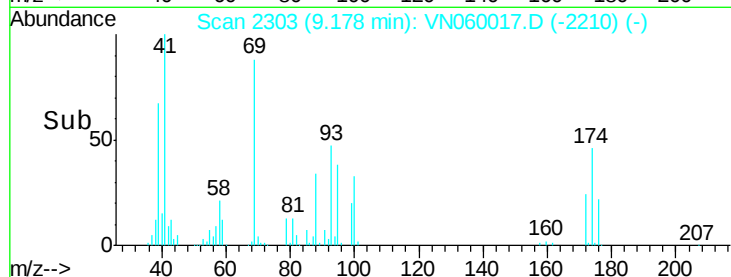
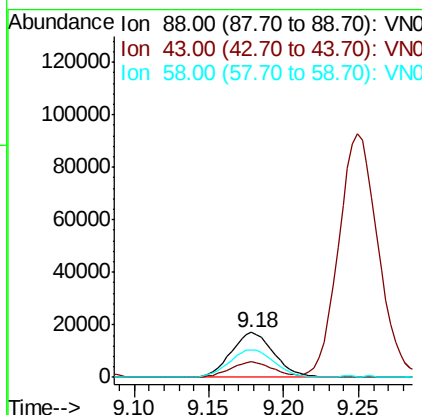
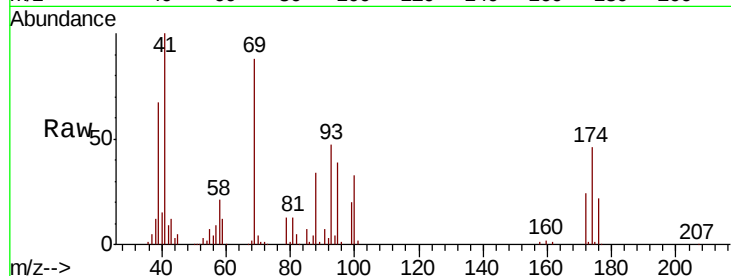
#49
1,4-Dioxane
Concen: 1046.114 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	34288
Ion Ratio	Lower	Upper	
88	100		
43	34.5	29.7	44.5
58	64.0	56.6	85.0

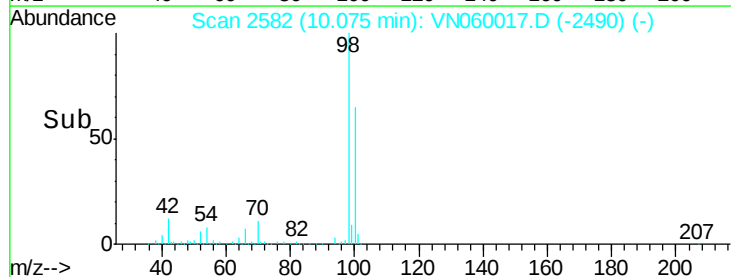
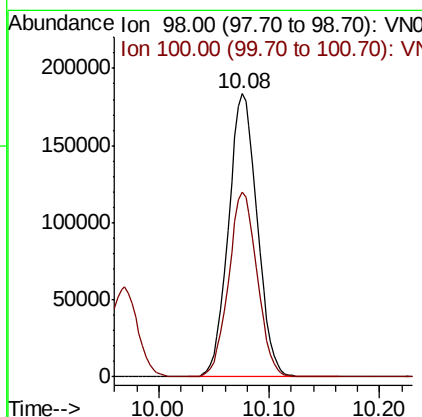
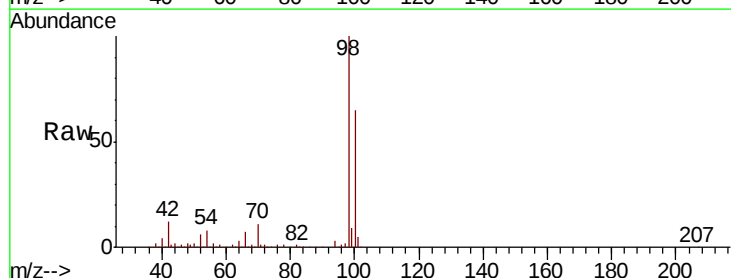
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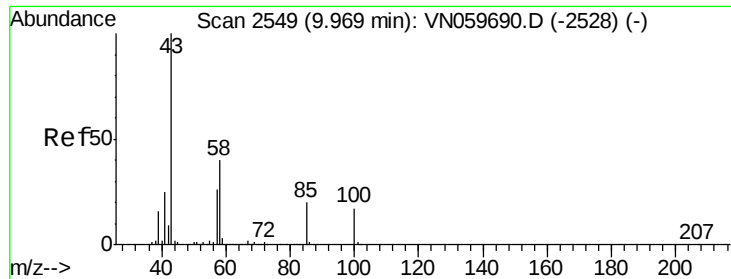
MMDadoda
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#50
Toluene-d8
Concen: 50.370 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	98	Resp	331600
Ion Ratio	Lower	Upper	
98	100		
100	65.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 279.584 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 646928

Ion Ratio Lower Upper

43 100

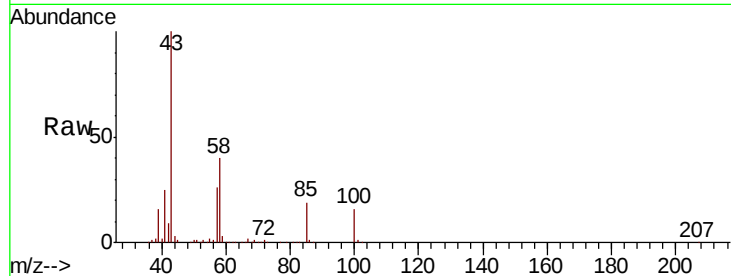
58 39.6 29.8 44.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

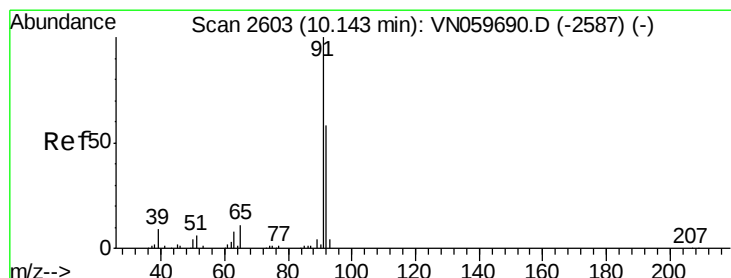
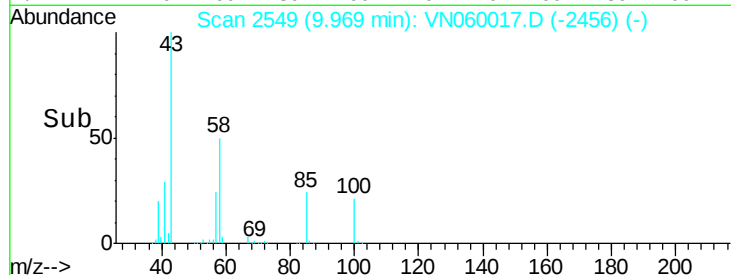
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.612 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060017.D

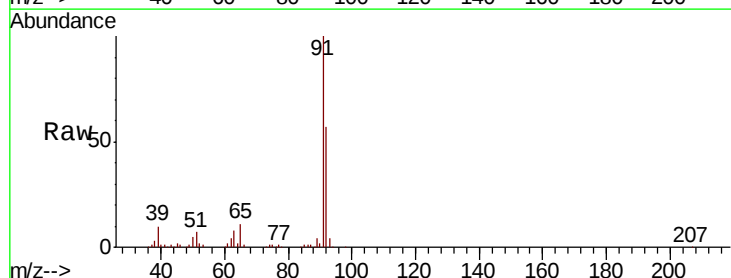
Acq: 7 Feb 2020 8:59

Tgt Ion: 92 Resp: 250588

Ion Ratio Lower Upper

92 100

91 174.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

250000

200000

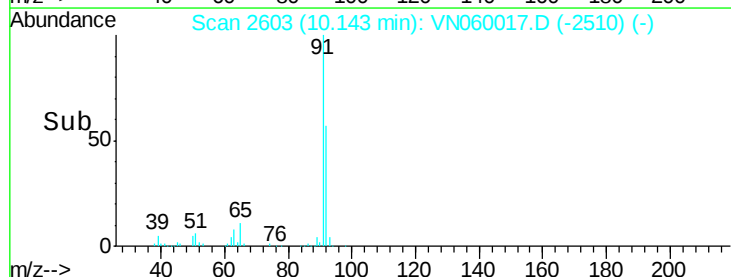
150000

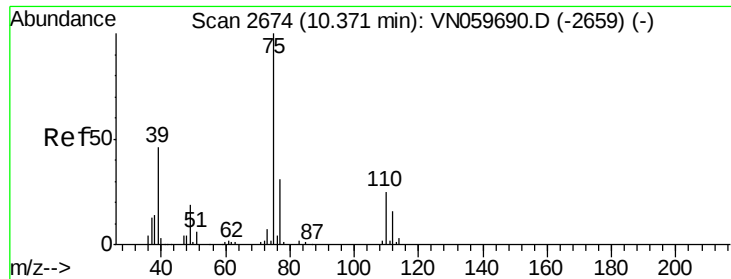
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50000

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Time-->





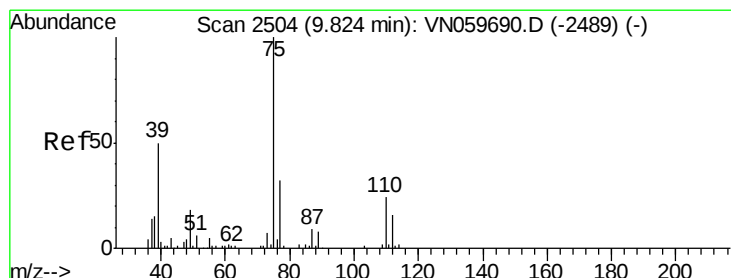
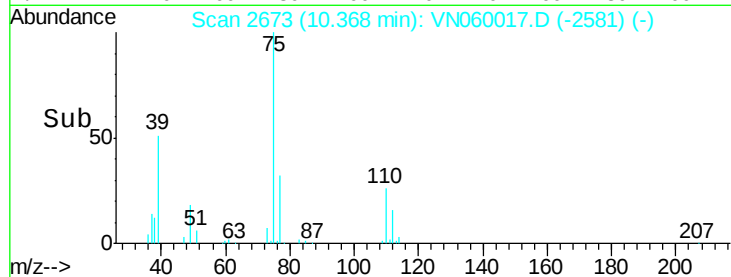
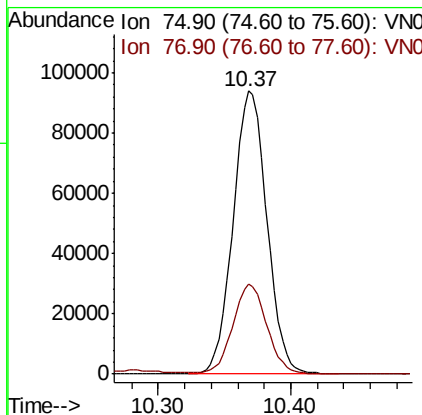
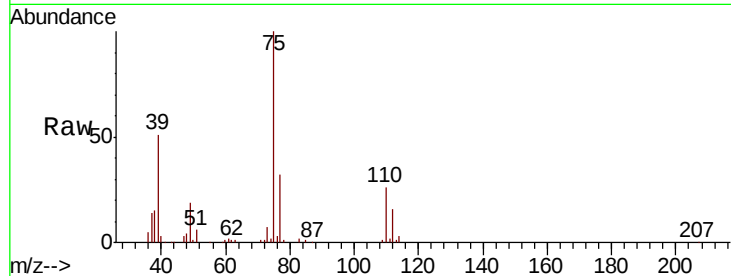
#53
t-1,3-Dichloropropene
Concen: 57.196 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

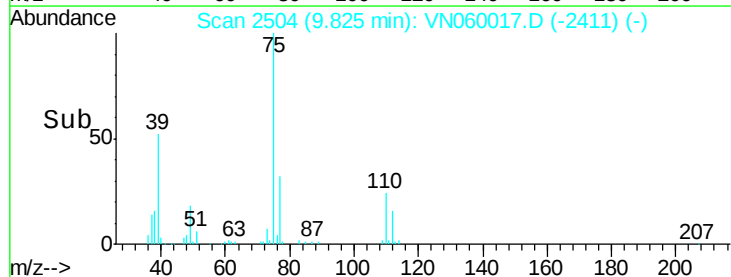
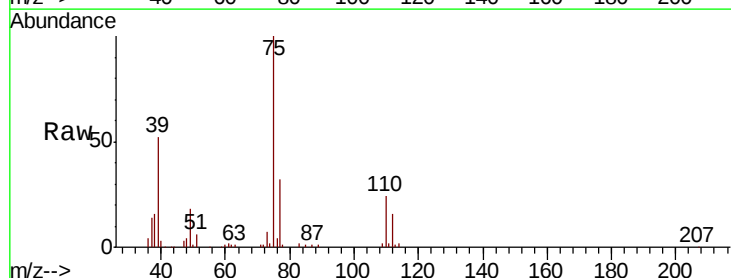
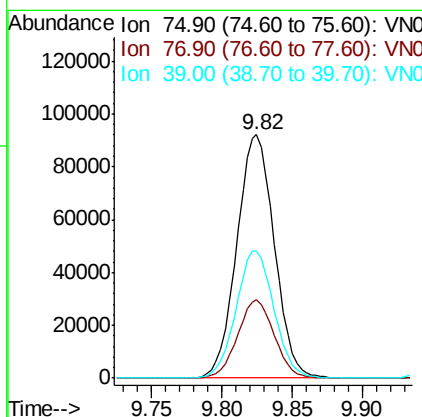
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#54
cis-1,3-Dichloropropene
Concen: 56.250 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7
39	52.3	46.1	69.1





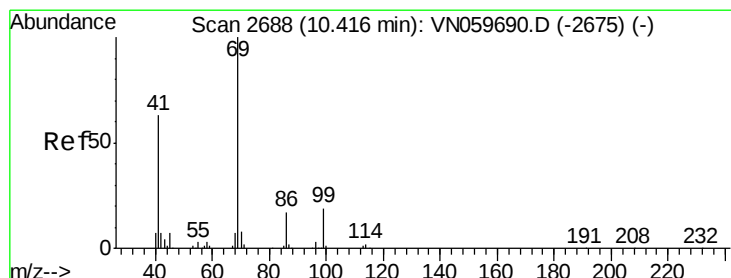
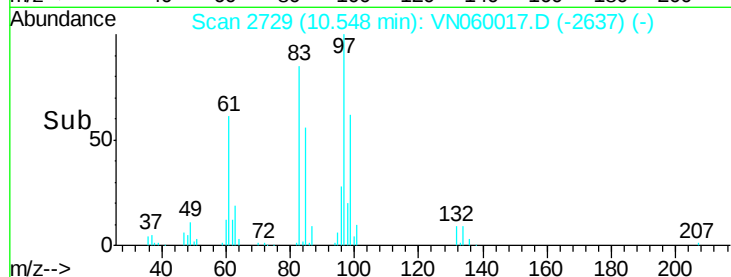
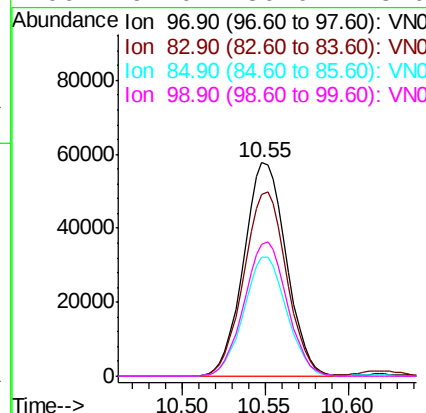
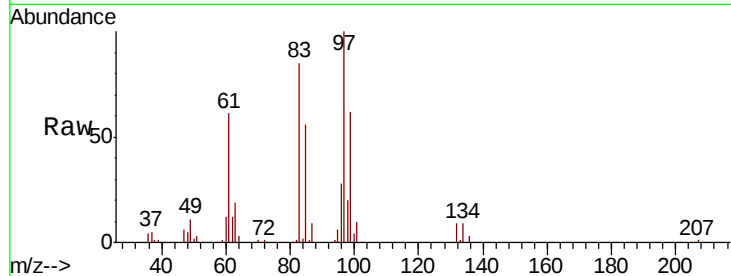
#55
 1,1,2-Trichloroethane
 Concen: 55.914 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	103508
Ion	Ratio	Lower	Upper
97	100		
83	85.1	71.3	106.9
85	55.5	45.8	68.8
99	62.0	50.0	75.0

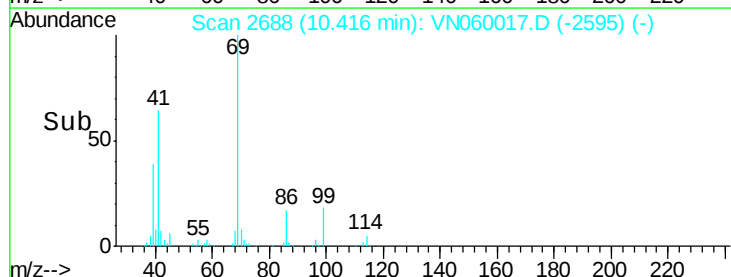
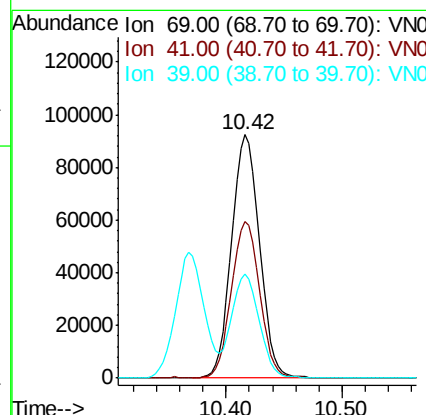
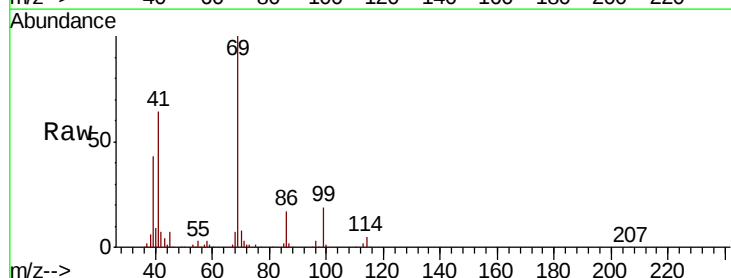
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 54.262 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion:	69	Resp:	153490
Ion	Ratio	Lower	Upper
69	100		
41	64.5	57.1	85.7
39	42.2	34.7	52.1





#57

1,3-Dichloropropane

Concen: 56.964 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

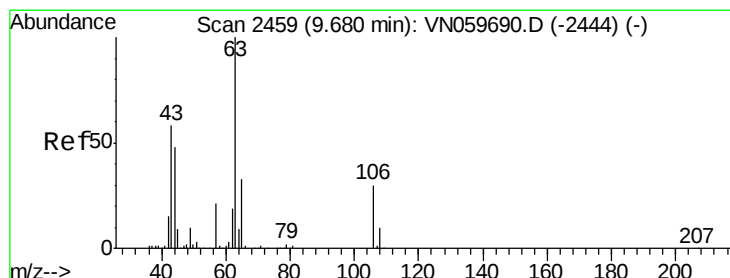
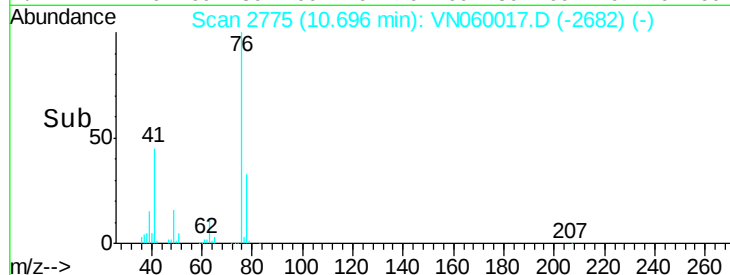
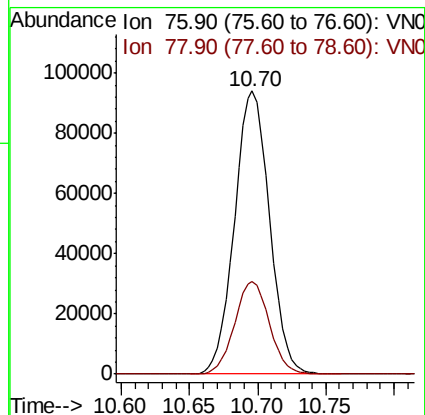
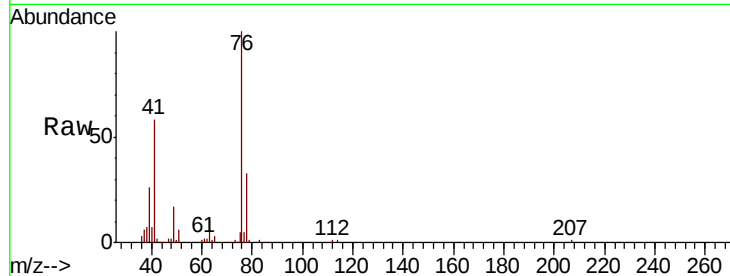
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 309.586 ug/l

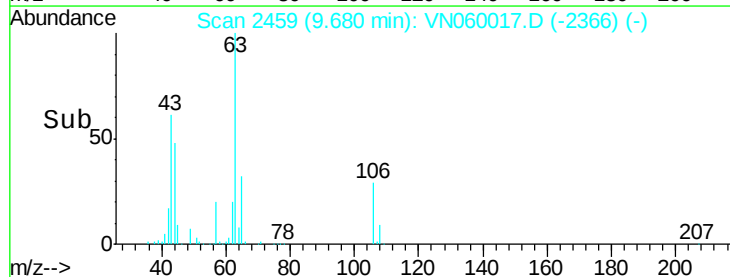
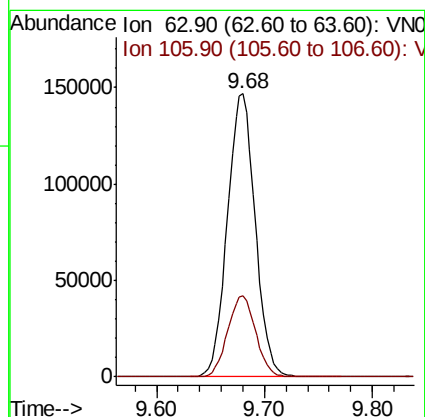
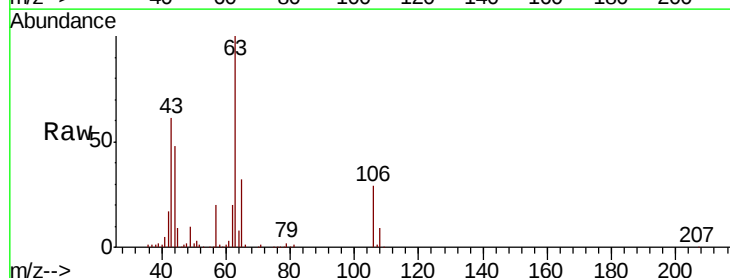
RT: 9.68 min Scan# 2459

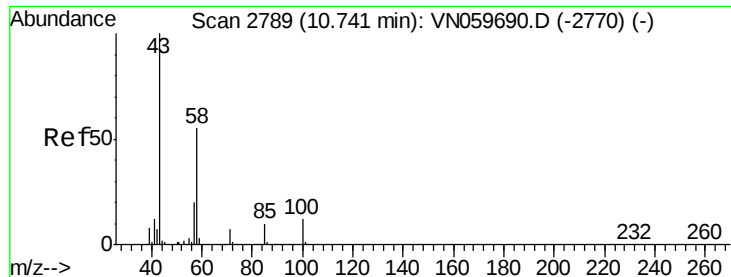
Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	20.2	30.2





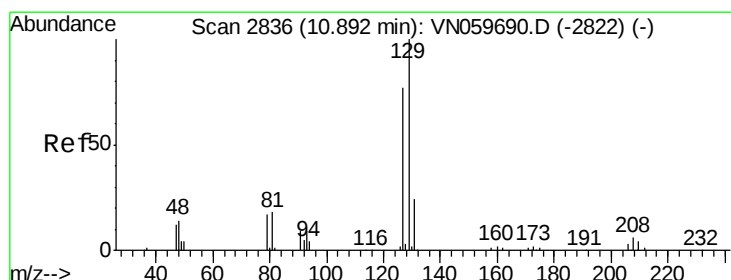
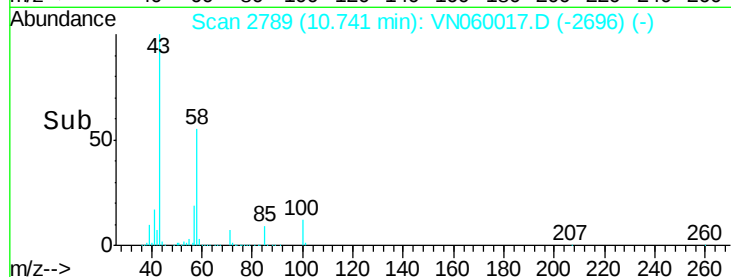
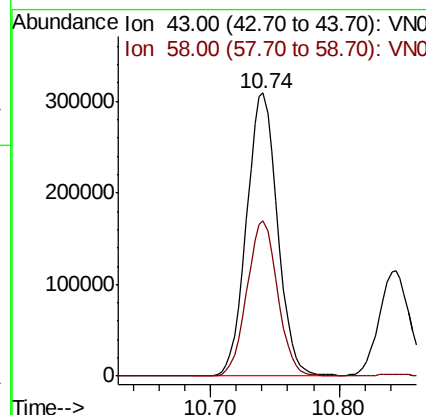
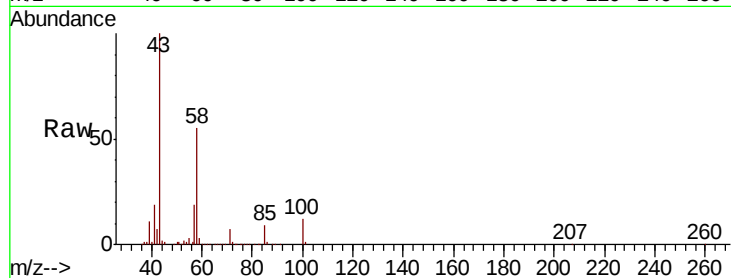
#59
2-Hexanone
Concen: 302.727 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 516045
Ion Ratio Lower Upper
43 100
58 54.6 25.8 77.3

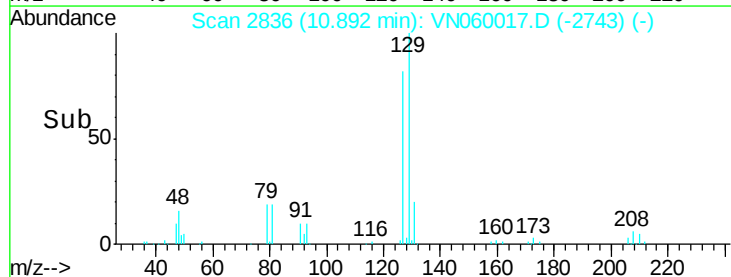
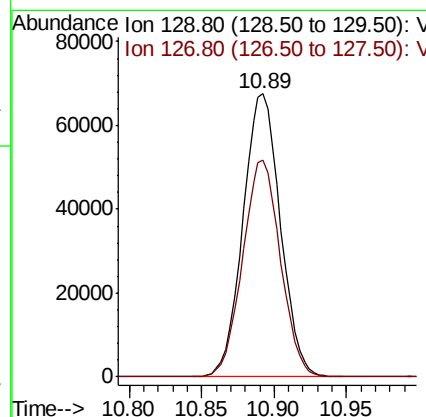
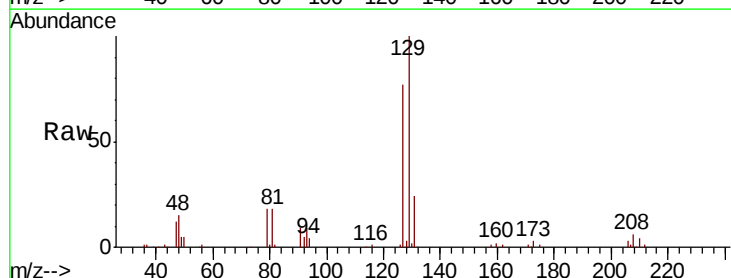
Manual Integrations
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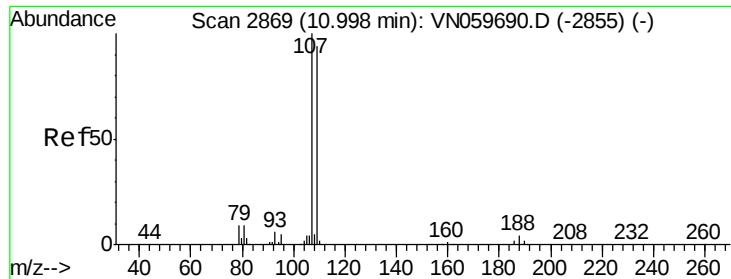
MMDadoda
2/10/2020 9:32:37 AM



#60
Dibromochloromethane
Concen: 57.516 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 129 Resp: 121248
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





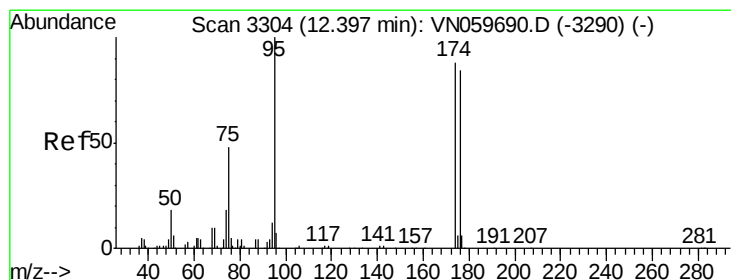
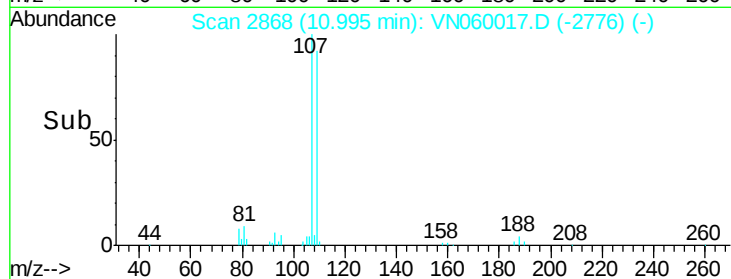
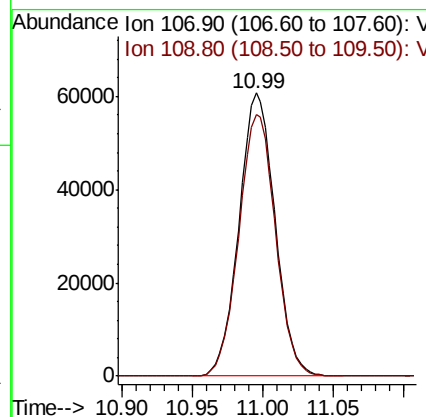
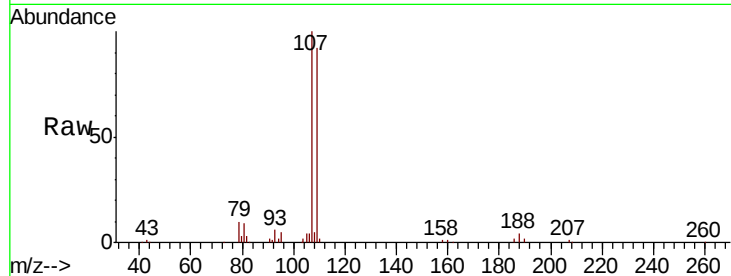
#61
 1,2-Dibromoethane
 Concen: 55.908 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	76.6	115.0

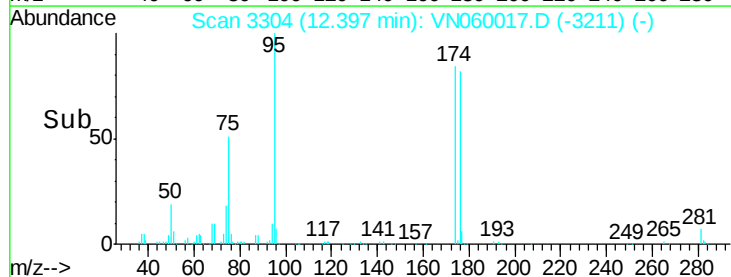
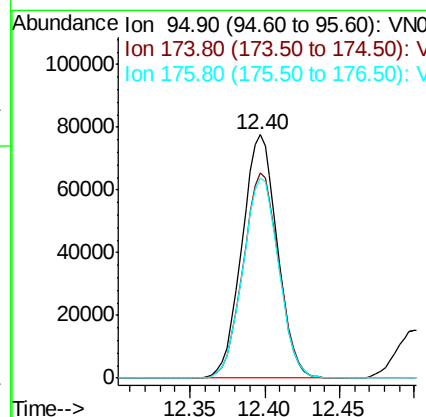
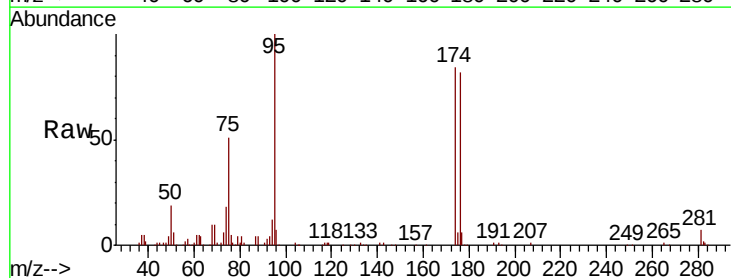
Manual Integrations
 APPROVED

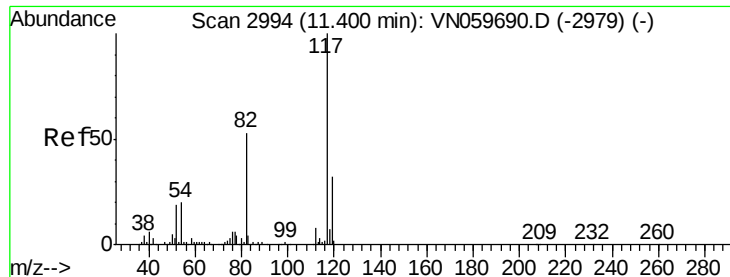
MMDadoda
 2/10/2020 9:32:37 AM



#62
 4-Bromofluorobenzene
 Concen: 53.787 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	151.4
176	83.4	0.0	146.0





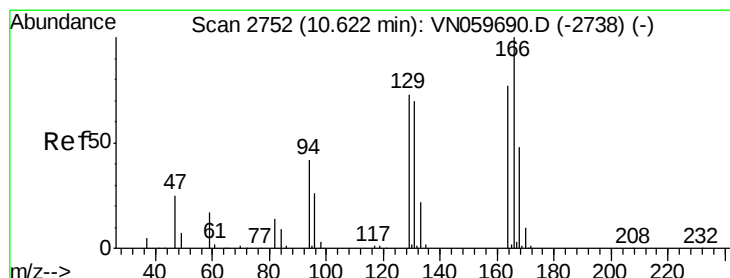
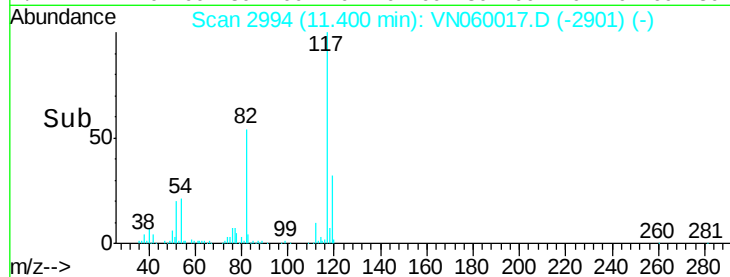
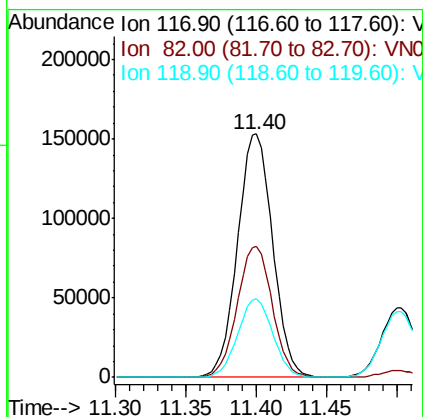
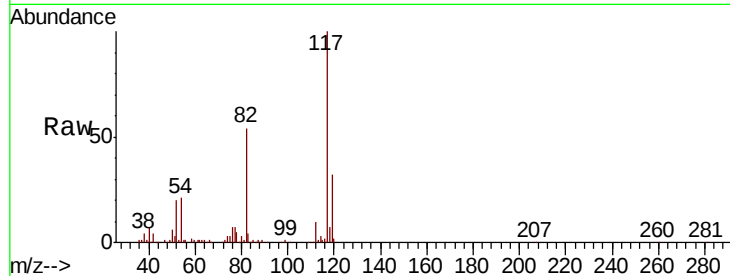
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	267720		
82	53.7	45.9	68.9	
119	32.3	25.5	38.3	

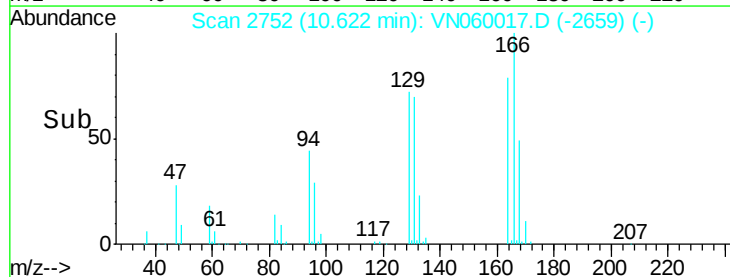
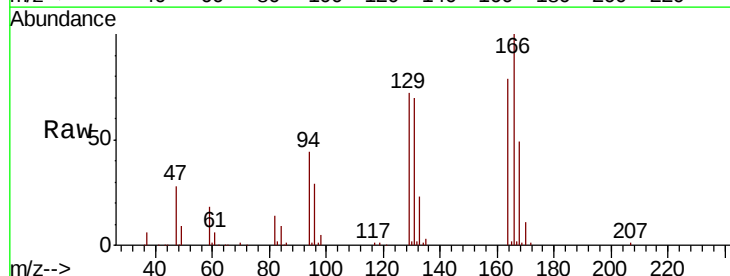
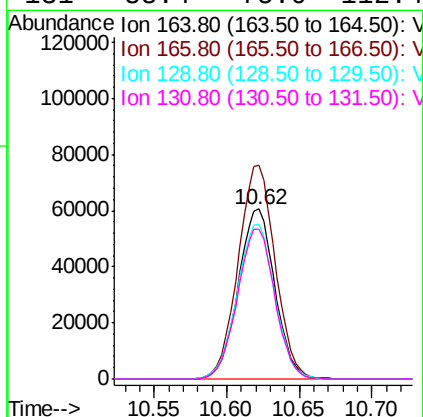
Manual Integrations
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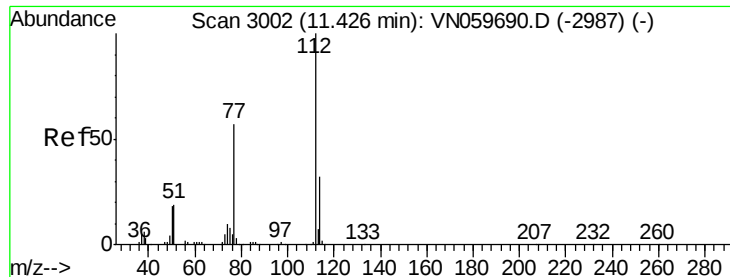
MMDadoda
2/10/2020 9:32:37 AM



#64
Tetrachloroethene
Concen: 48.741 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106351		
166	125.9	101.4	152.0	
129	90.9	80.2	120.4	
131	88.4	75.0	112.4	





#65

Chlorobenzene

Concen: 53.322 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 280589

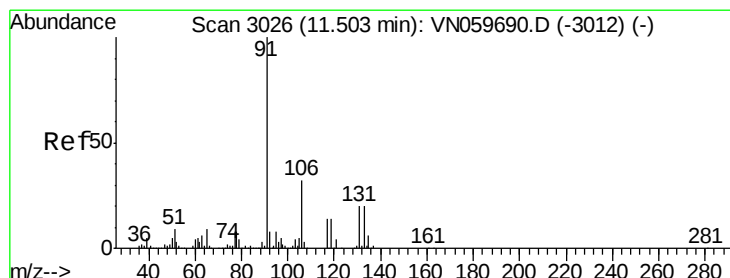
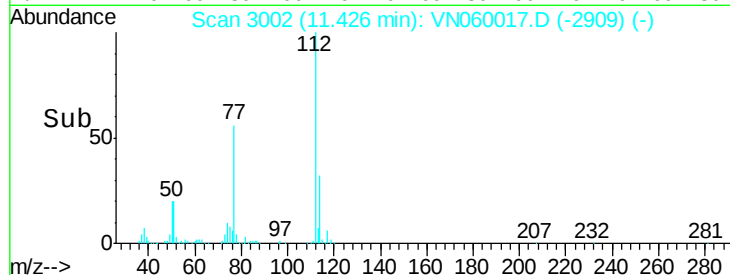
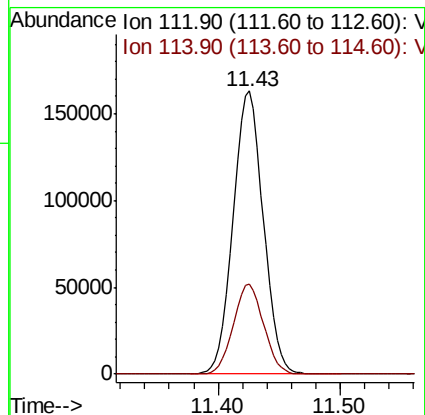
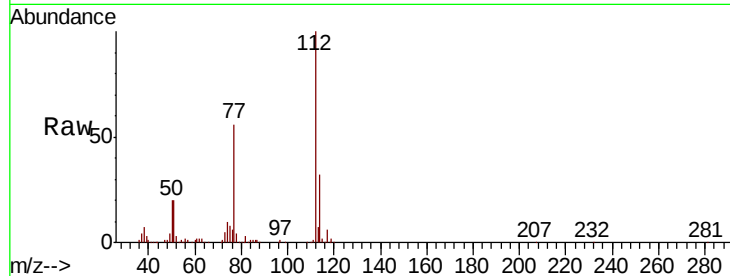
Ion Ratio Lower Upper

112 100

114 31.8 25.8 38.8

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 54.440 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

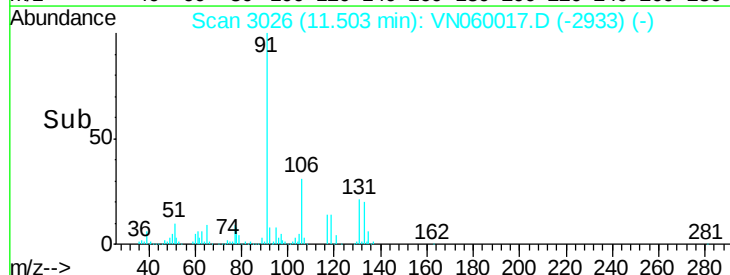
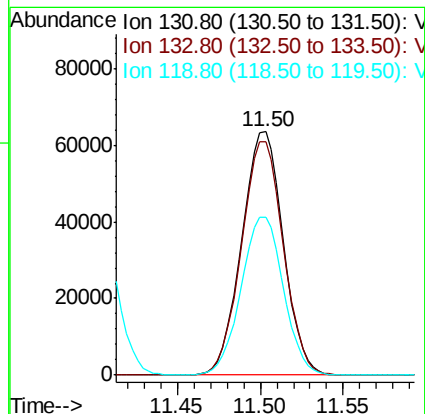
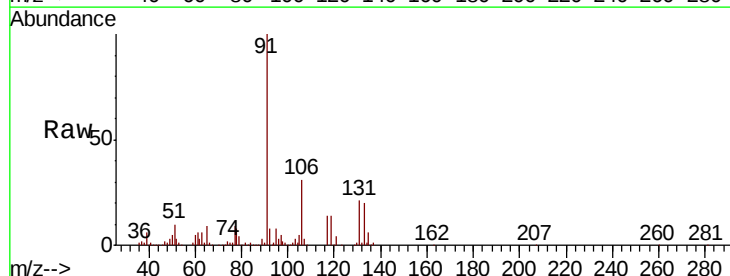
Tgt Ion:131 Resp: 110692

Ion Ratio Lower Upper

131 100

133 97.0 47.4 142.2

119 66.3 33.1 99.3





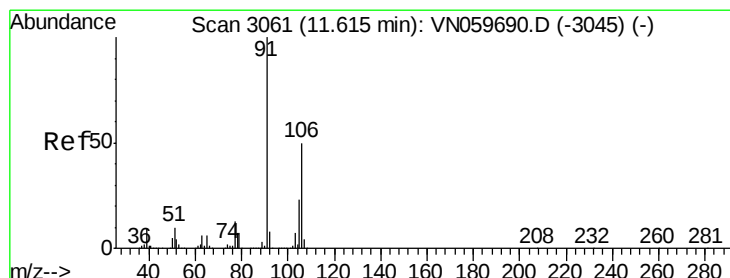
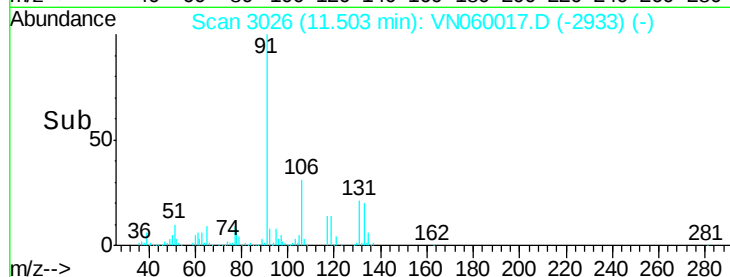
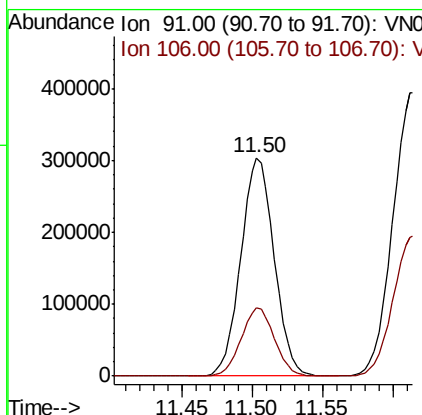
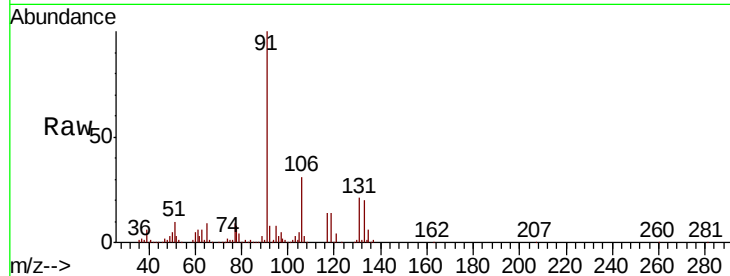
#67
Ethyl Benzene
Concen: 52.712 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 503528
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1

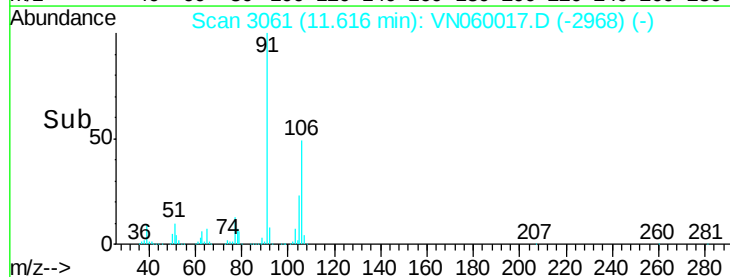
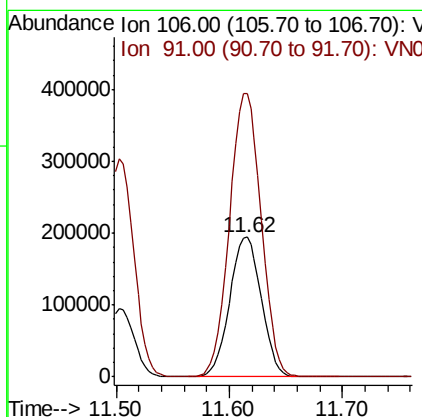
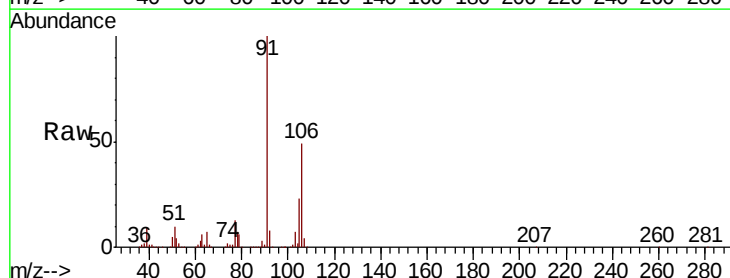
Manual Integrations
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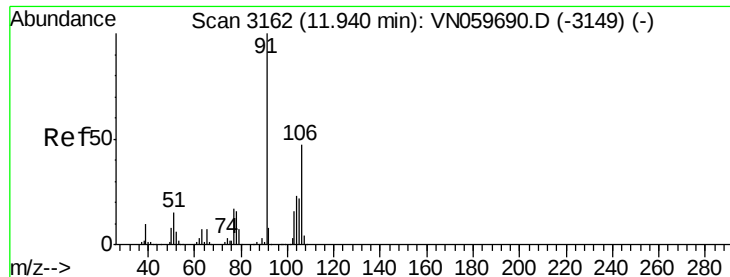
MMDadoda
2/10/2020 9:32:37 AM



#68
m/p-Xylenes
Concen: 104.726 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion: 106 Resp: 377890
Ion Ratio Lower Upper
106 100
91 203.4 167.9 251.9





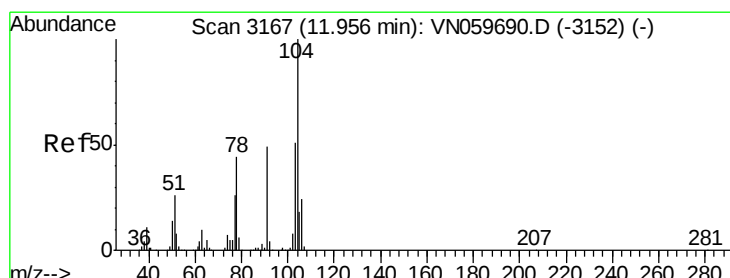
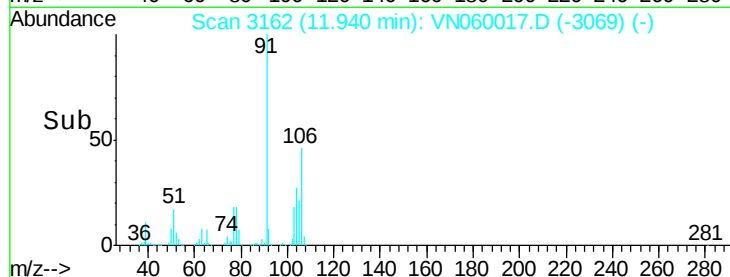
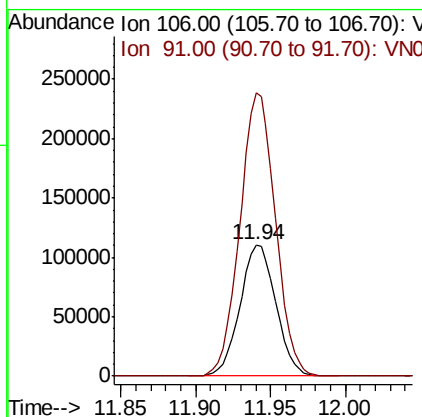
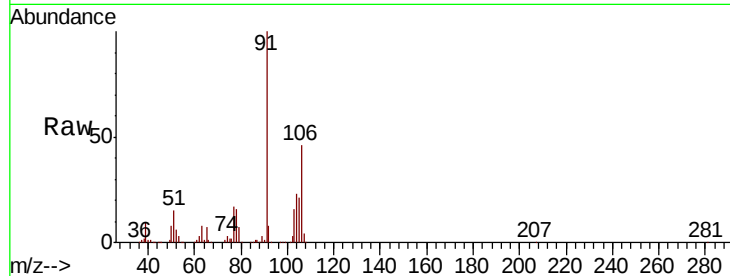
#69
o-Xylene
Concen: 52.133 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.9	110.3	184164	330.9	

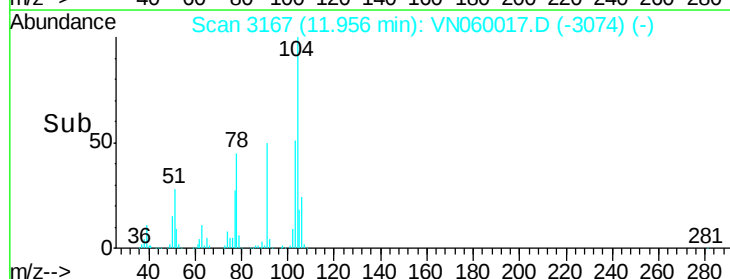
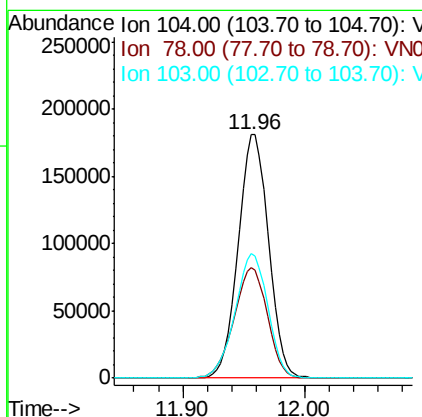
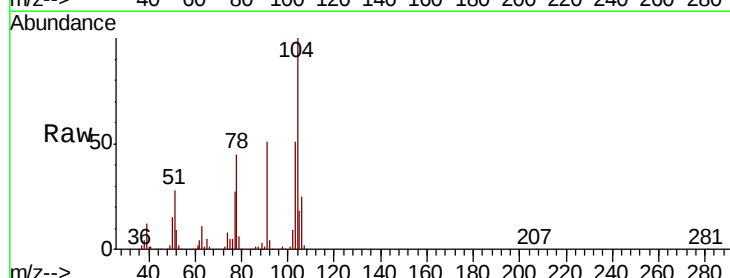
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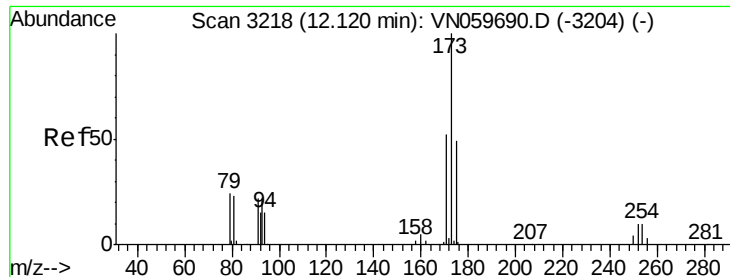
MMDadoda
2/10/2020 9:32:37 AM



#70
Styrene
Concen: 52.694 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	50.0	42.4	311487	63.6	
103	55.3	43.9		65.9	





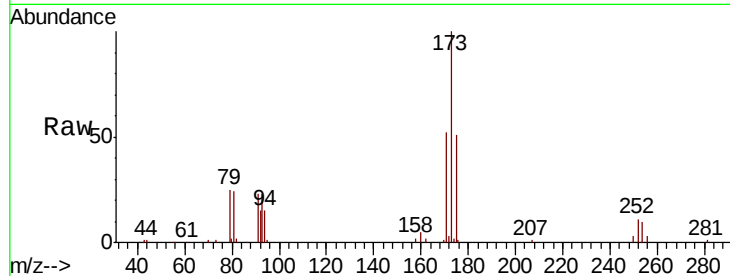
#71
Bromoform
Concen: 56.491 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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2/10/2020 9:32:37 AM

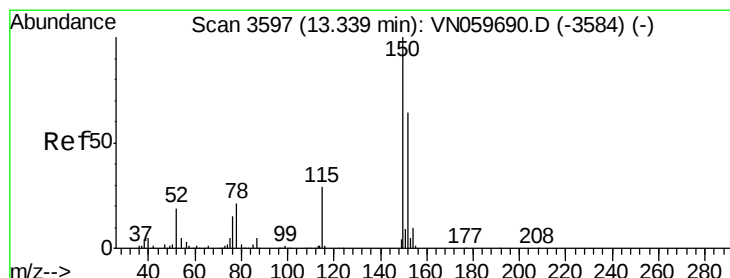
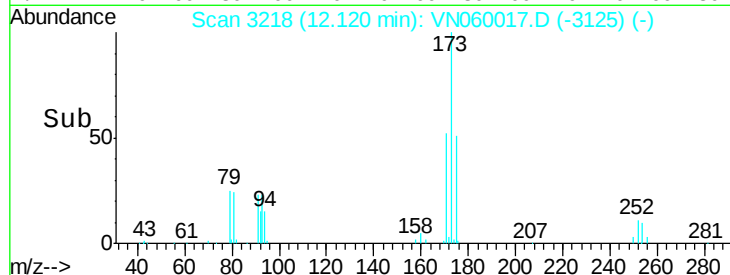
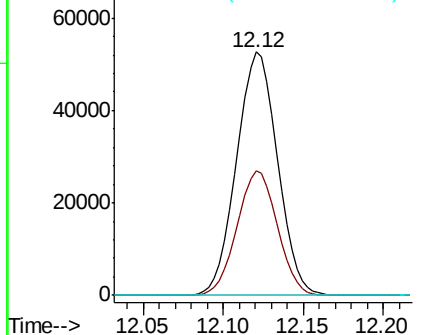


Abundance

Ion 172.70 (172.40 to 173.40): V

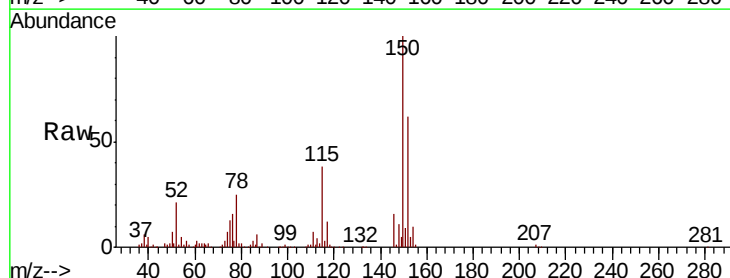
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.3	90.9
150	175.7	0.0	345.2

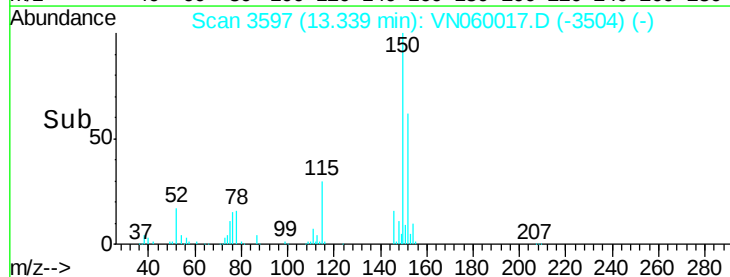
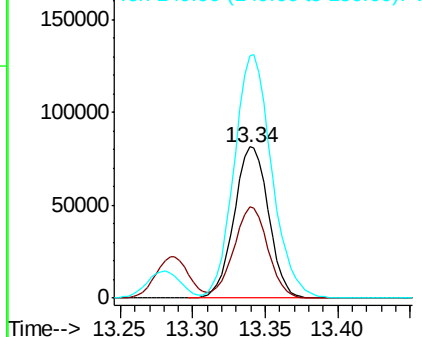


Abundance

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: 51.829 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 510552

Ion Ratio Lower Upper

105 100

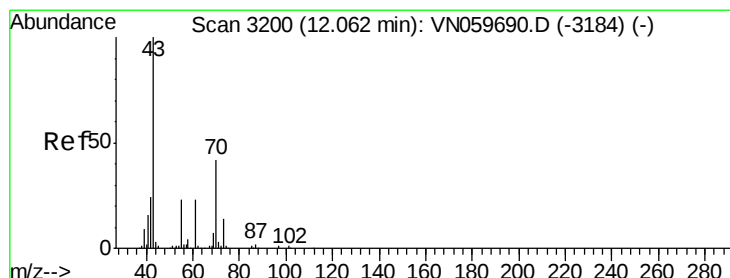
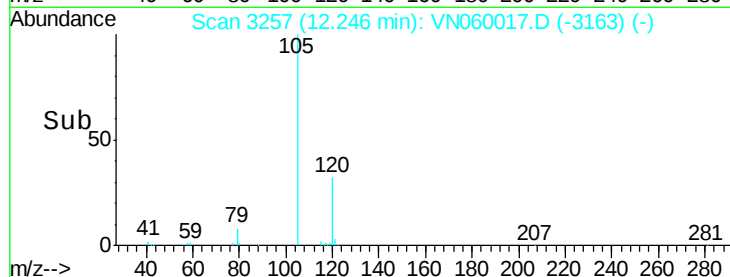
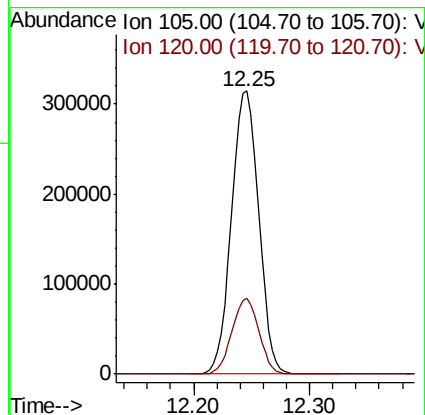
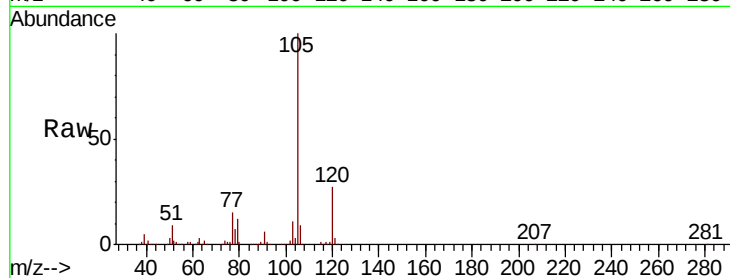
120 26.5 13.2 39.5

Manual Integrations

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2/10/2020 9:32:37 AM



#74

N-ethyl acetate

Concen: 51.041 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion: 43 Resp: 195099

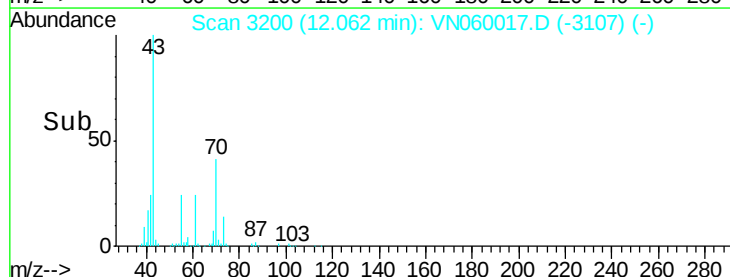
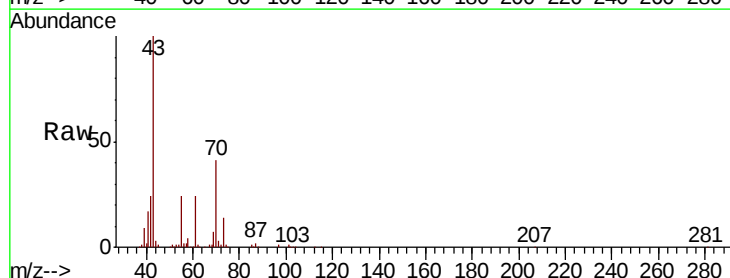
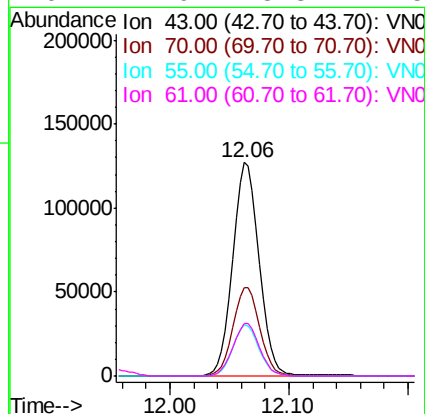
Ion Ratio Lower Upper

43 100

70 42.2 31.3 46.9

55 23.9 19.8 29.6

61 24.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.461 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

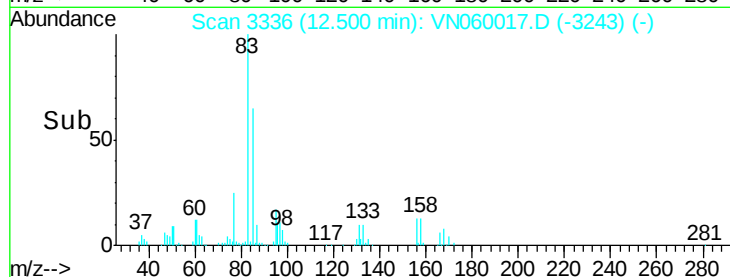
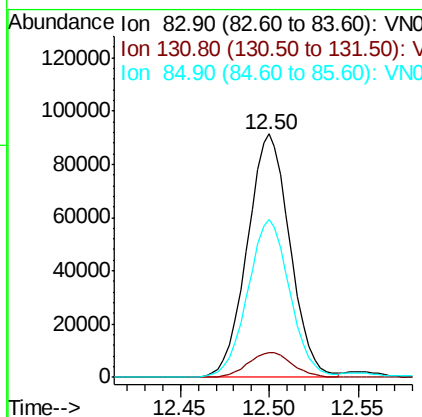
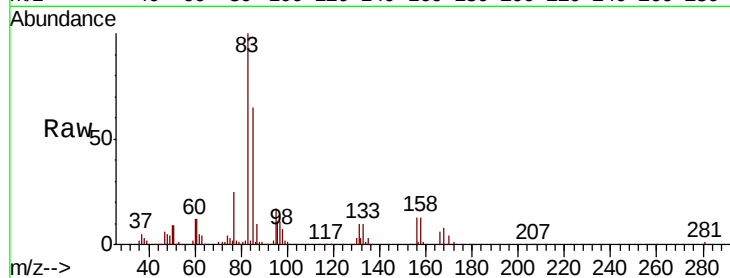
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	152671
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	64.1	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 55.809 ug/l m

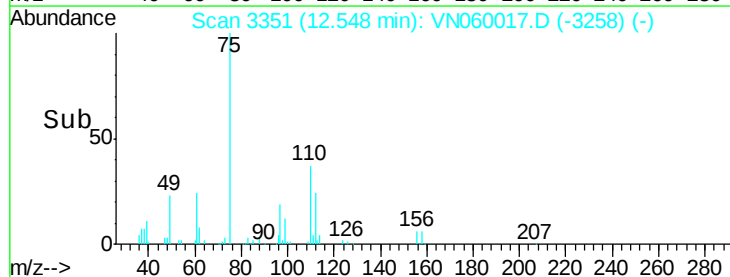
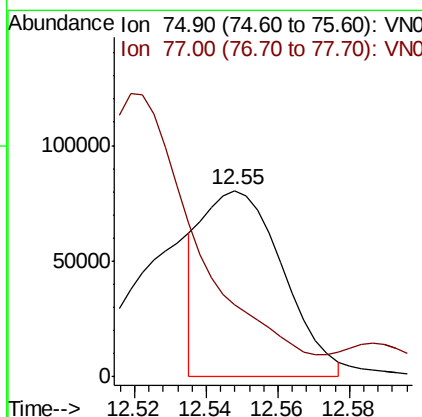
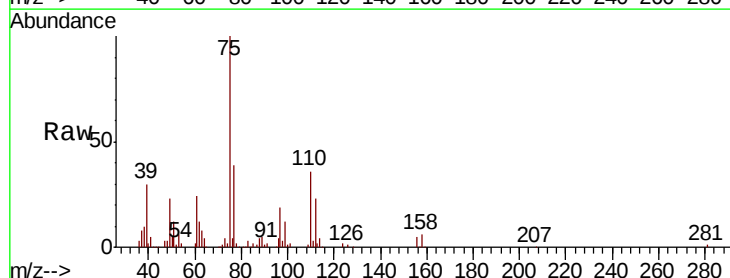
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:	75	Resp:	126152
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.628 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

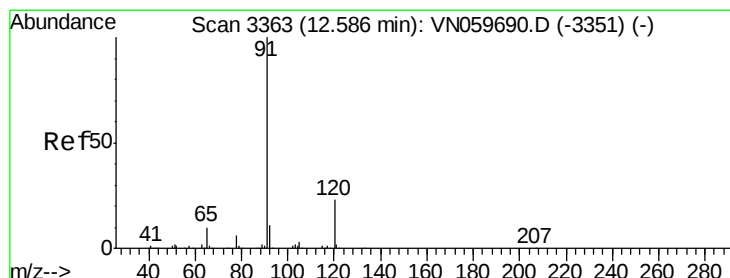
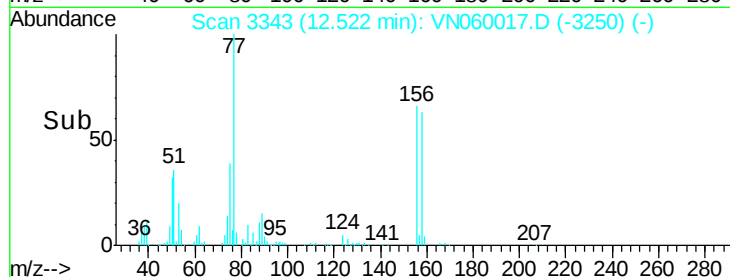
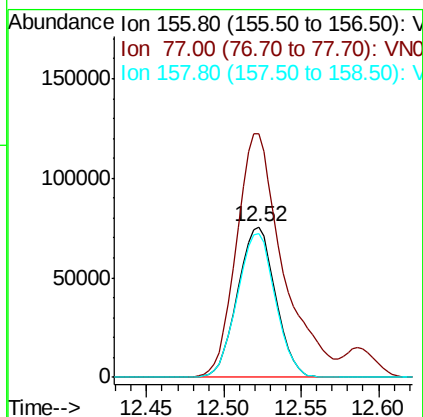
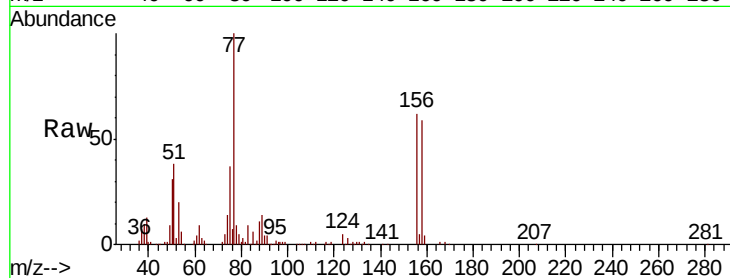
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	128792
Ion Ratio	Lower	Upper	
156	100		
77	197.4	115.8	347.4
158	96.2	49.2	147.6

Manual Integrations
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2/10/2020 9:32:37 AM



#78

n-propylbenzene

Concen: 52.846 ug/l

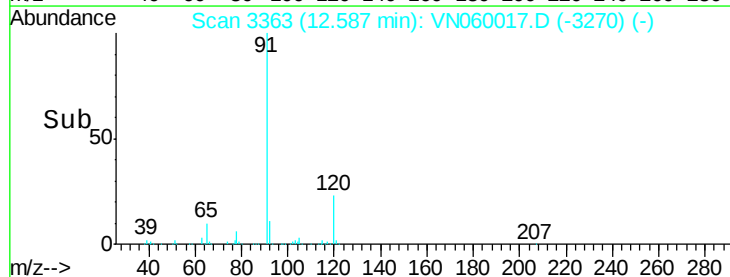
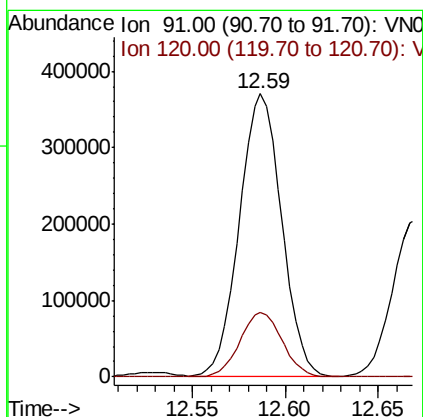
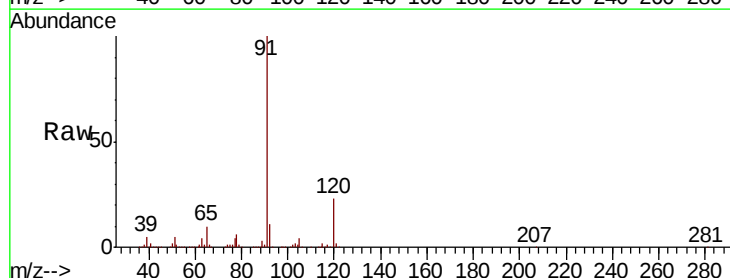
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:	91	Resp:	584293
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.1	33.3





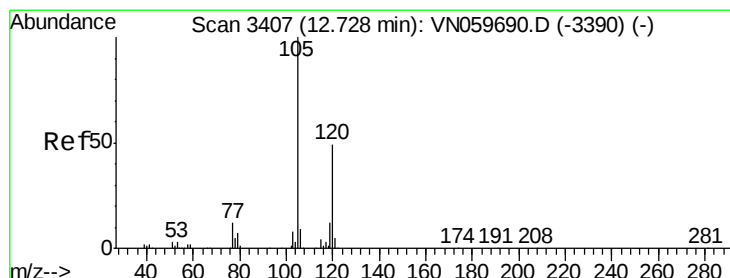
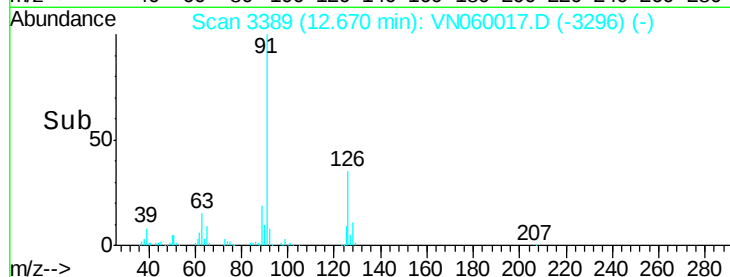
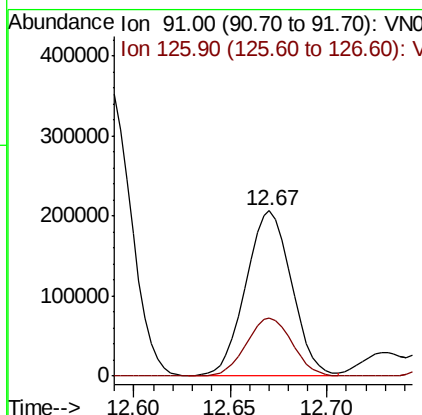
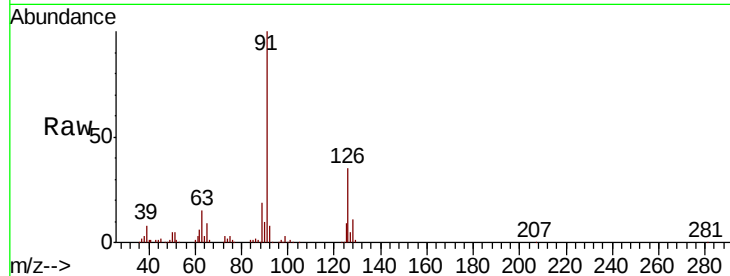
#79
 2-Chlorotoluene
 Concen: 51.744 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	35.6	16.3	48.9	

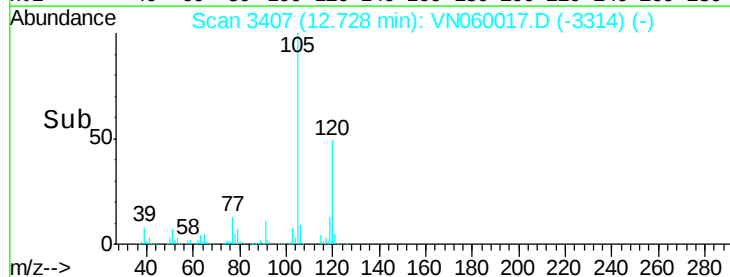
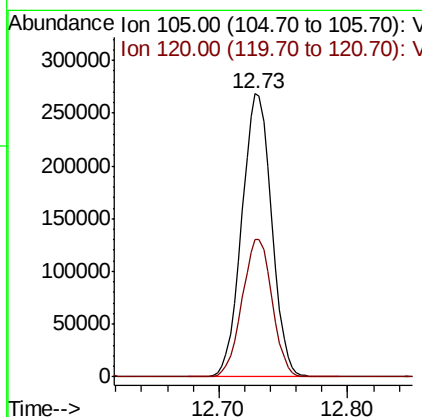
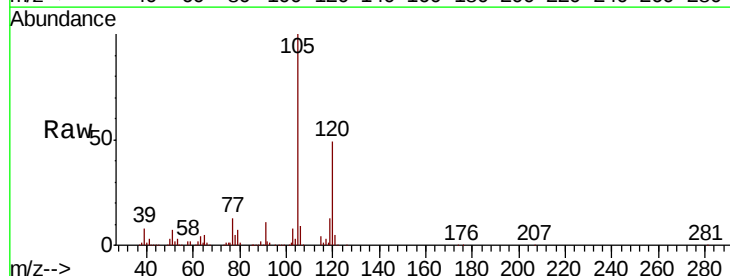
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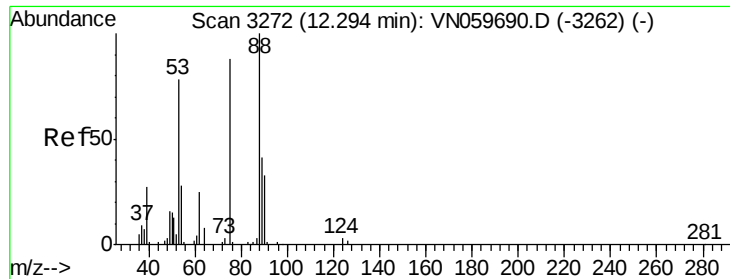
MMDadoda
 2/10/2020 9:32:37 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.879 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	49.1	24.1	72.4	





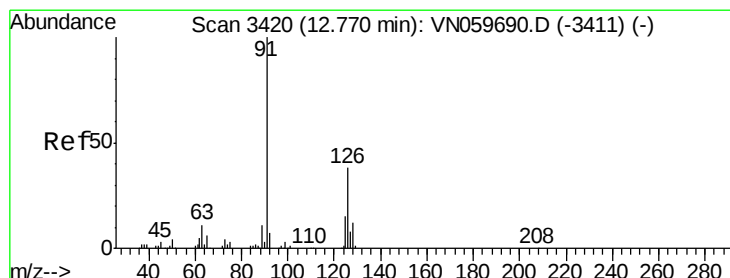
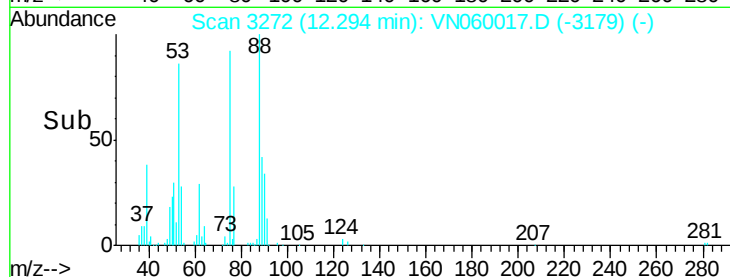
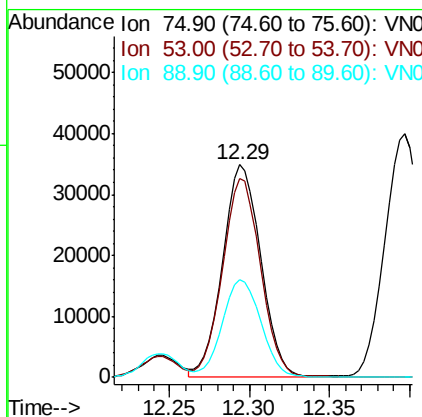
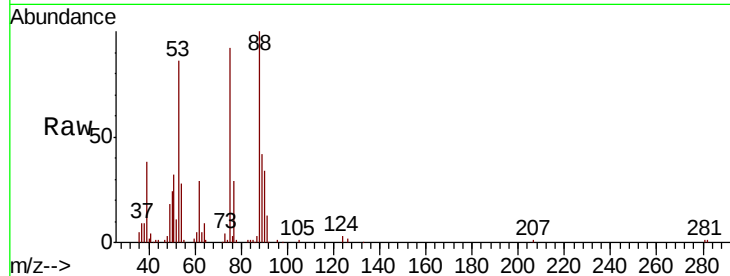
#81
trans-1,4-Dichloro-2-butene
Concen: 54.479 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	78.1	117.1
89	46.0	35.4	53.2

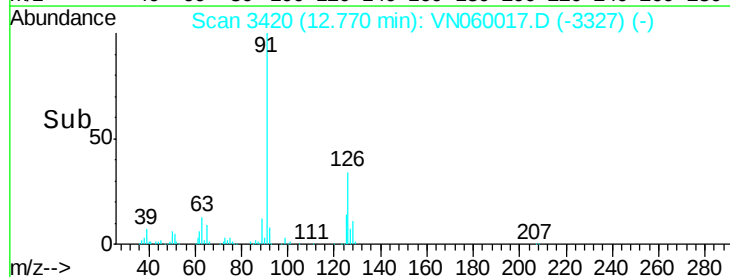
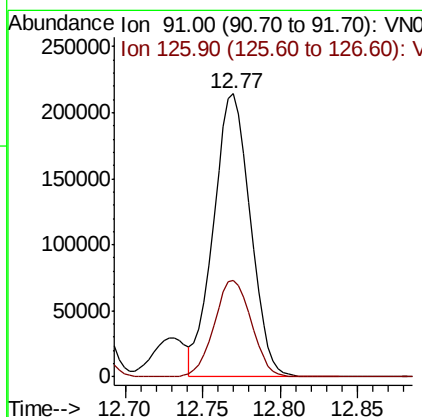
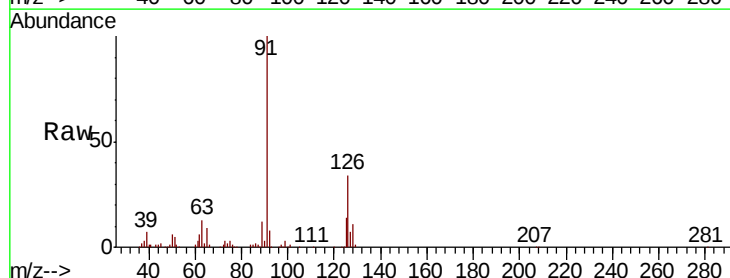
Manual Integrations
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#82
4-Chlorotoluene
Concen: 53.724 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.3	48.8





#83

tert-Butylbenzene

Concen: 51.874 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

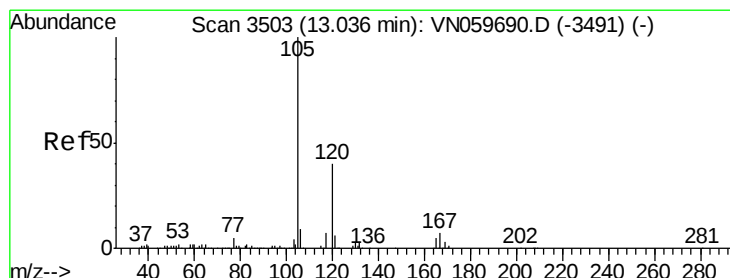
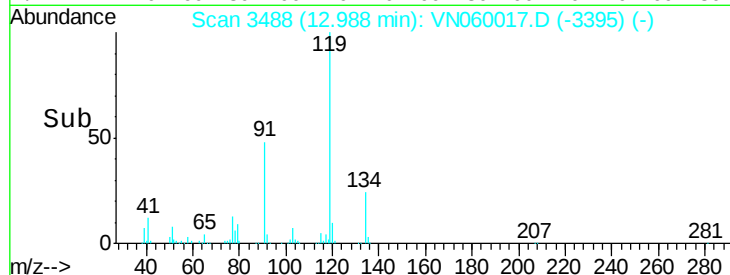
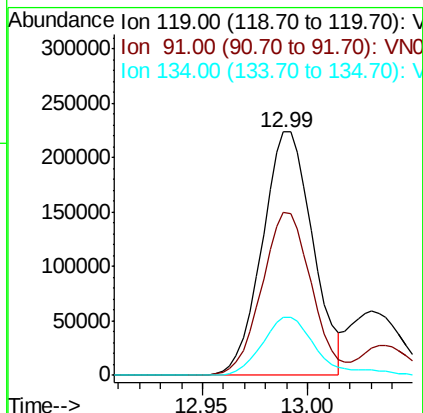
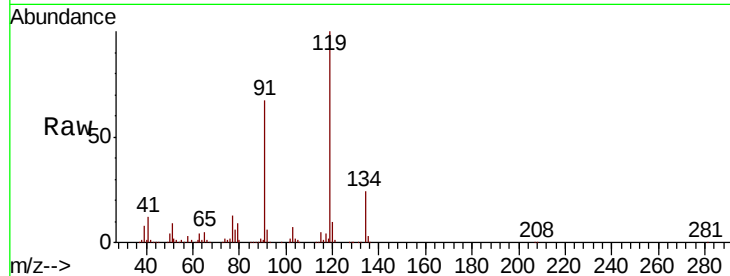
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	371684
Ion Ratio	Lower	Upper	
119	100		
91	65.7	34.8	104.4
134	25.9	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.785 ug/l

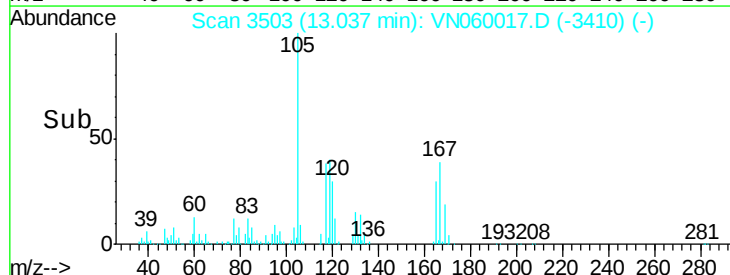
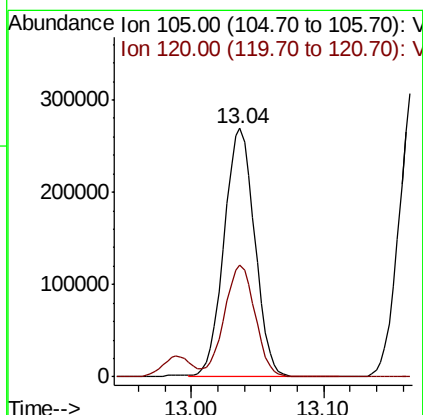
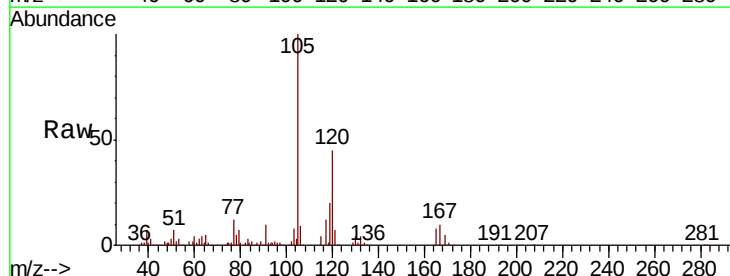
RT: 13.04 min Scan# 3503

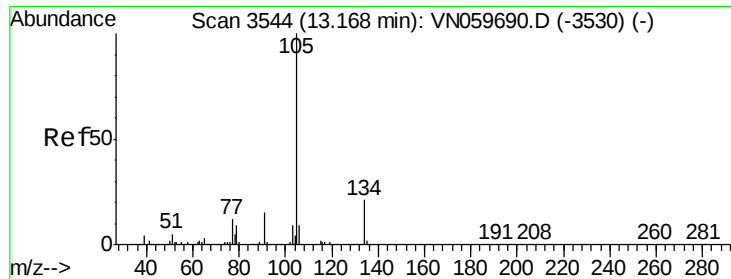
Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:	105	Resp:	432623
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.3	66.9





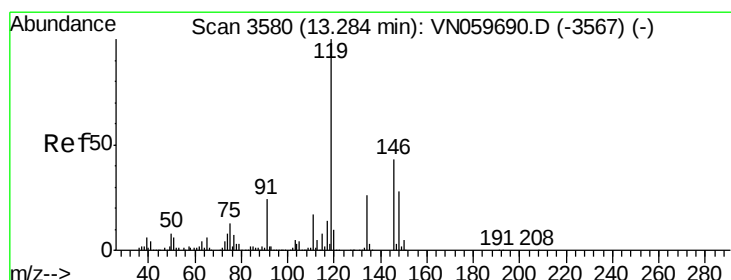
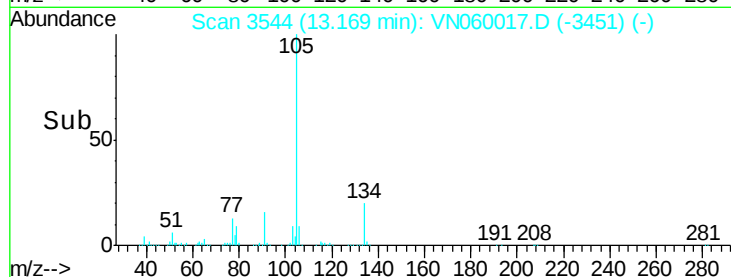
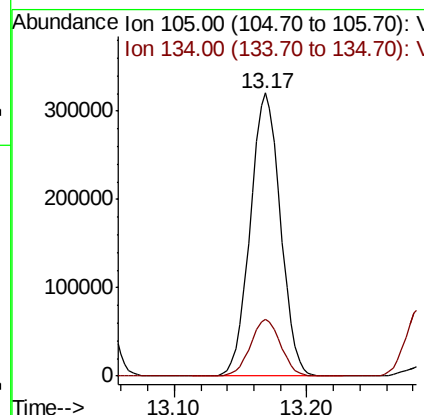
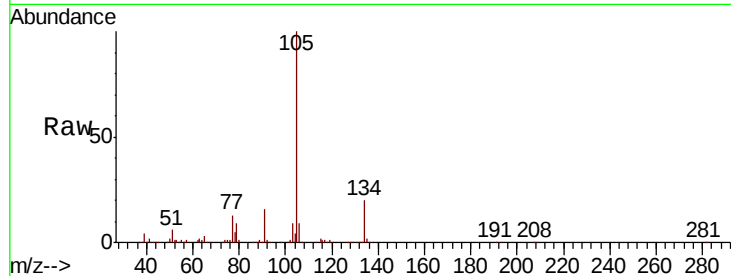
#85
 sec-Butylbenzene
 Concen: 53.764 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	506120		
134	20.0	9.8	29.5	

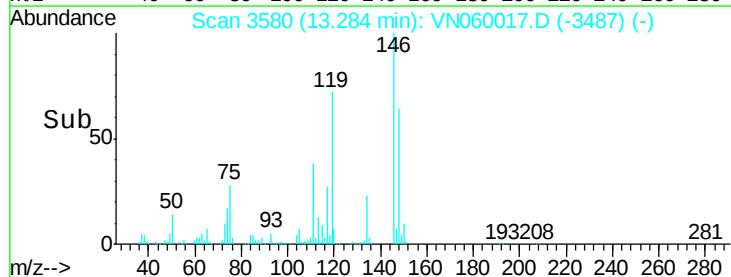
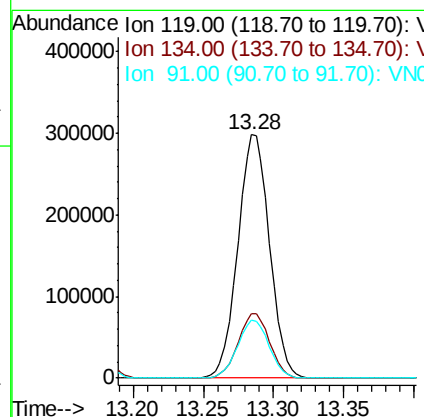
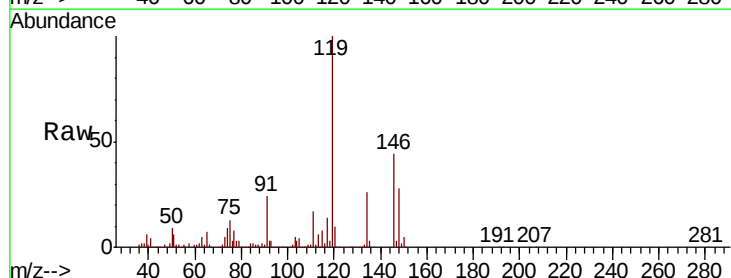
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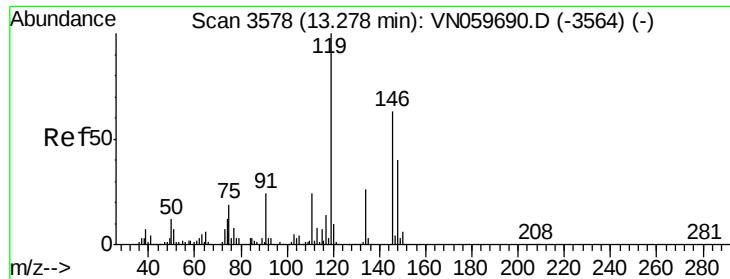
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#86
 p-Isopropyltoluene
 Concen: 53.676 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	467552		
134	26.6	12.9	38.7	
91	23.9	12.4	37.4	





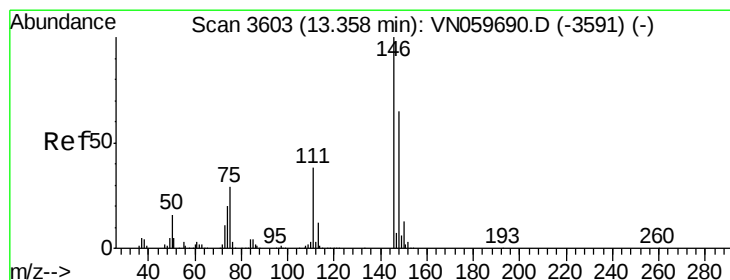
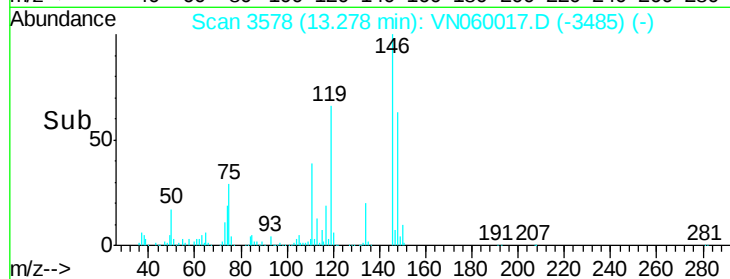
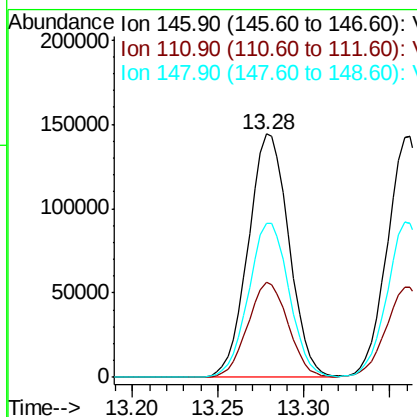
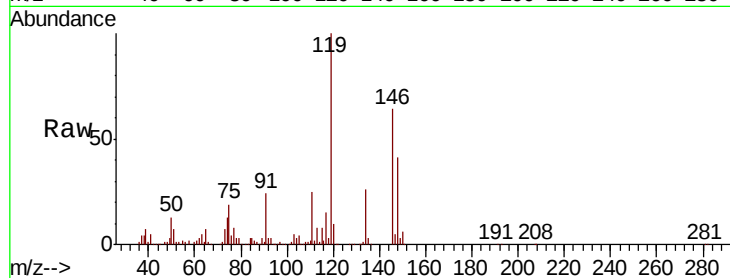
#87
 1,3-Dichlorobenzene
 Concen: 54.730 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	237161		
111	38.9	20.8	62.2	
148	63.4	32.0	96.0	

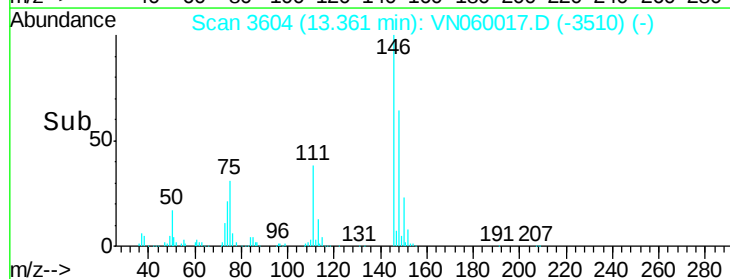
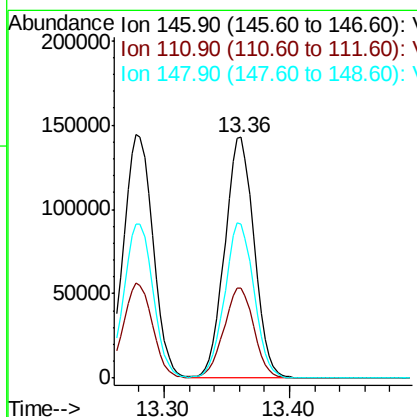
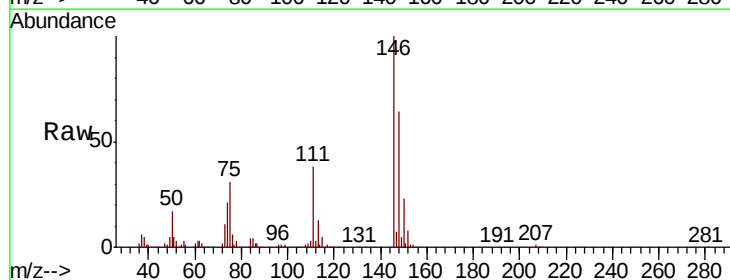
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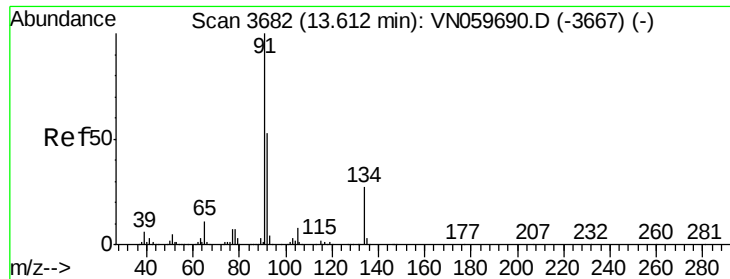
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#88
 1,4-Dichlorobenzene
 Concen: 53.869 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	232867		
111	37.9	20.8	62.2	
148	63.8	31.8	95.4	





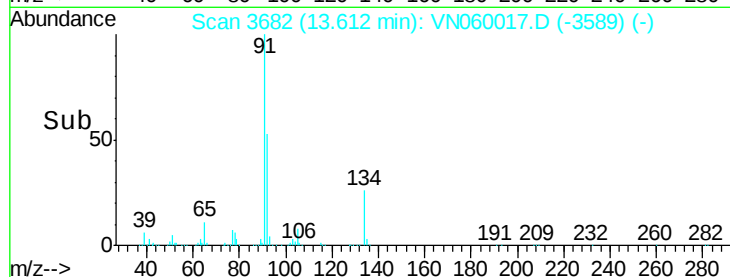
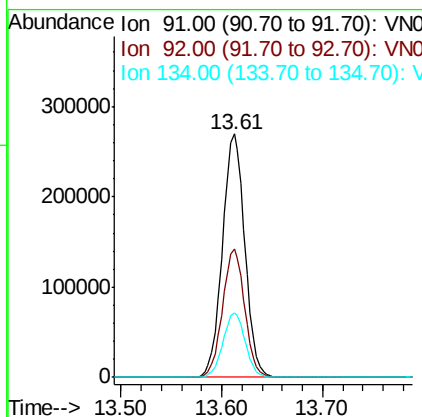
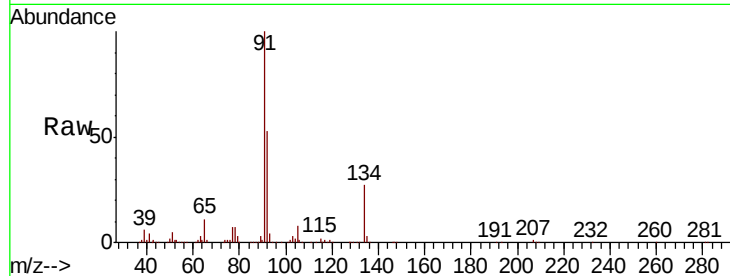
#89
n-Butylbenzene
Concen: 56.299 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.7
134	26.3	12.3	36.8

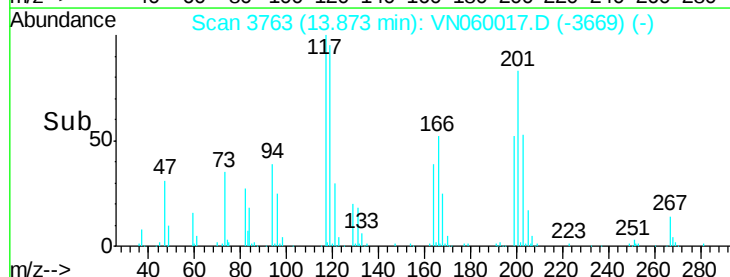
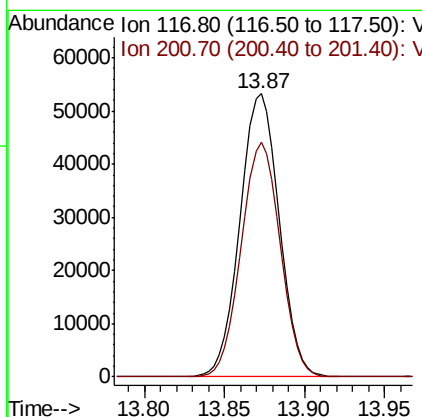
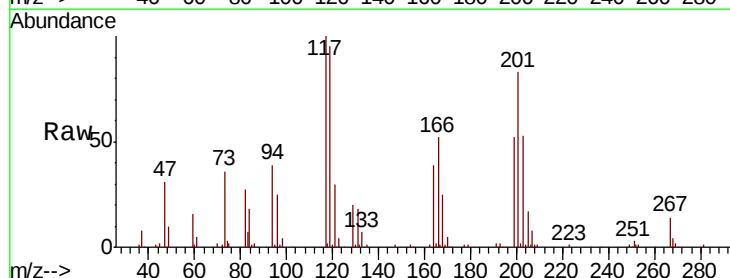
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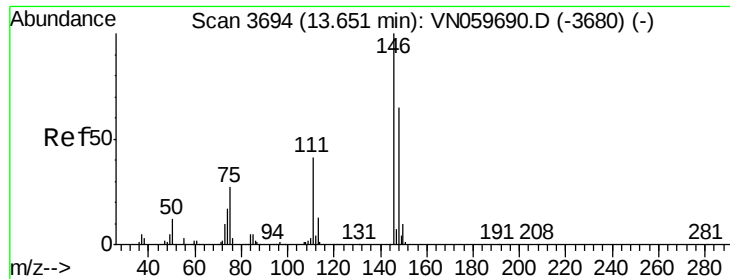
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#90
Hexachloroethane
Concen: 54.542 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060017.D
Acq: 7 Feb 2020 8:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 53.367 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

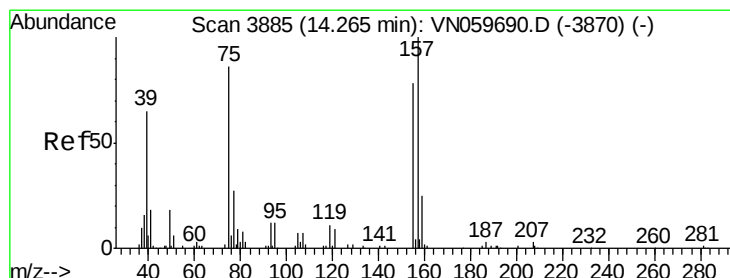
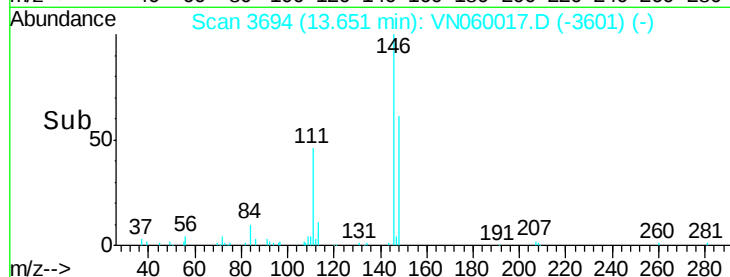
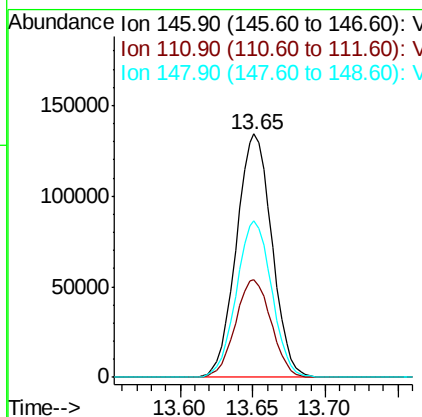
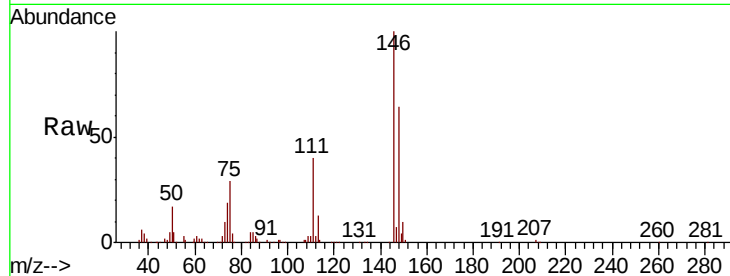
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	228621
Ion Ratio		Lower	Upper
146	100		
111	40.5	21.6	64.8
148	64.0	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.515 ug/l

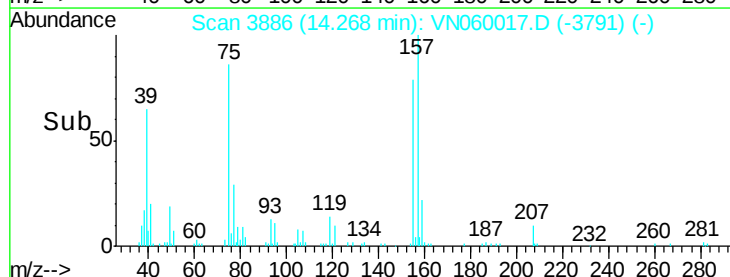
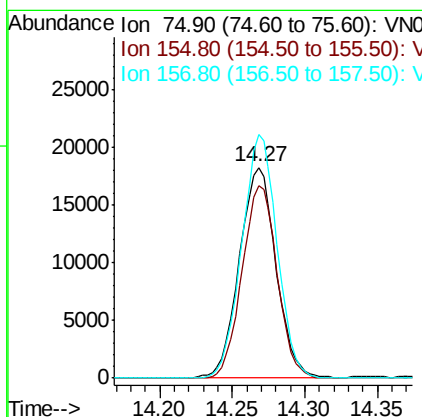
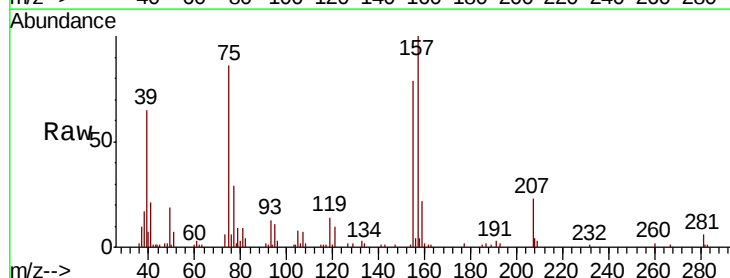
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:	75	Resp:	32125
Ion Ratio		Lower	Upper
75	100		
155	86.6	37.0	110.9
157	111.1	48.4	145.2





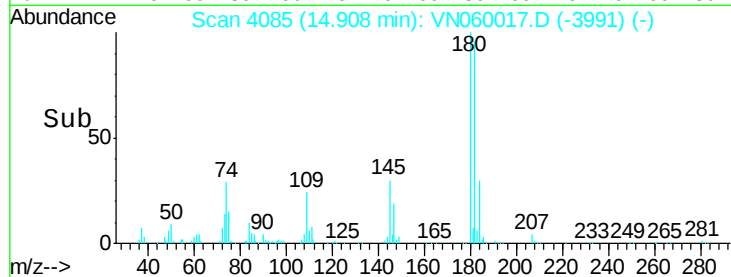
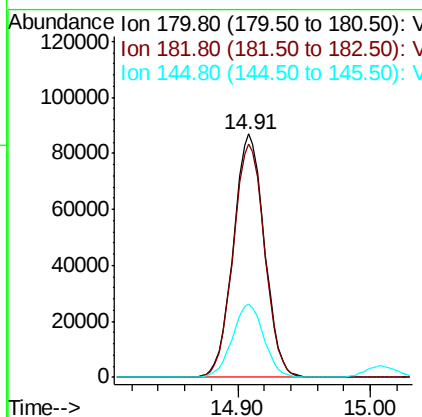
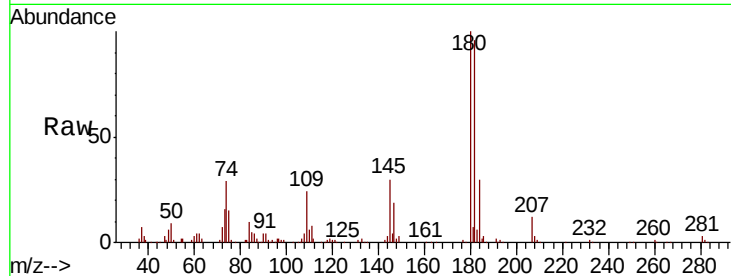
#93
 1,2,4-Trichlorobenzene
 Concen: 54.999 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	141575
Ion Ratio		Lower	Upper
180	100		
182	96.6	46.9	140.7
145	30.4	15.0	45.1

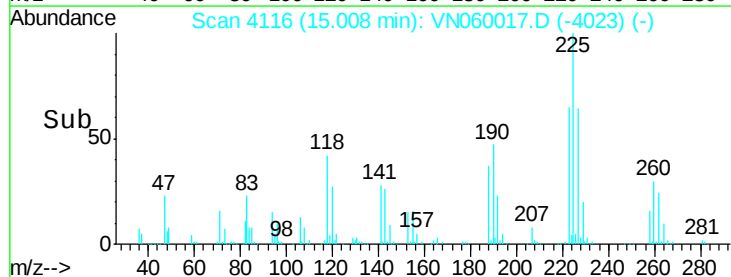
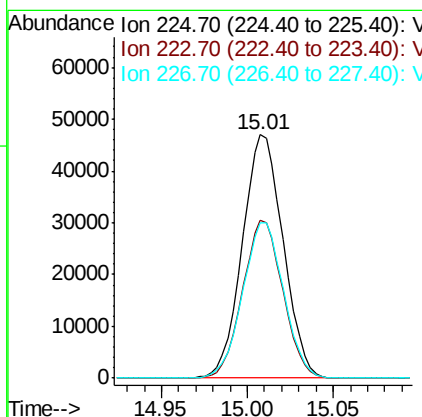
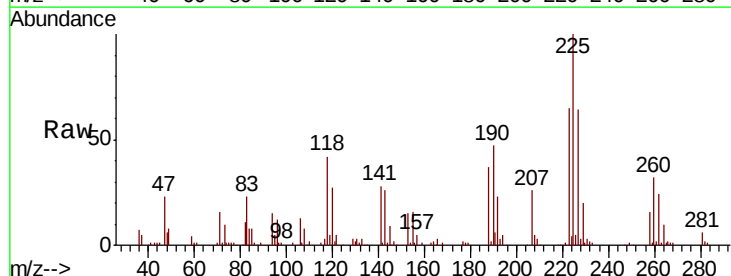
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#94
 Hexachlorobutadiene
 Concen: 54.556 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060017.D
 Acq: 7 Feb 2020 8:59

Tgt Ion:	225	Resp:	77388
Ion Ratio		Lower	Upper
225	100		
223	63.8	31.8	95.3
227	64.3	32.1	96.5





#95

Naphthalene

Concen: 51.642 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Instrument :

MSVOA_N

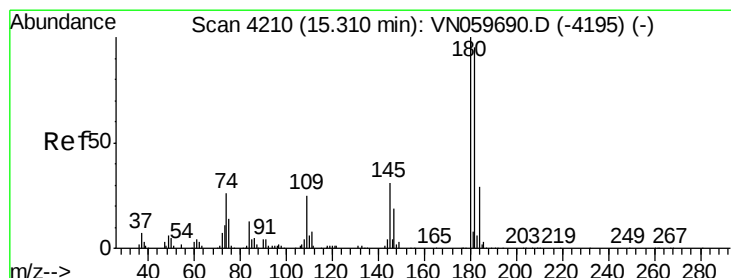
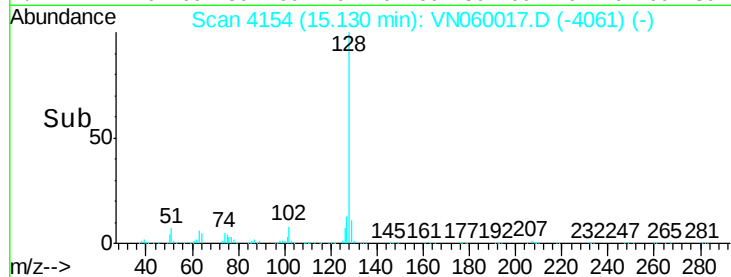
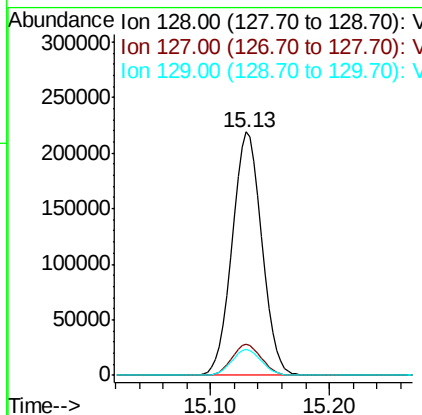
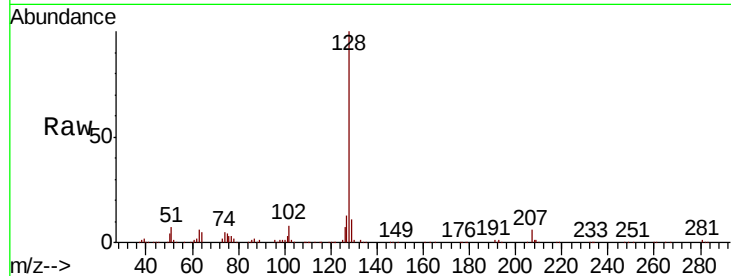
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	378110
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 54.543 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060017.D

Acq: 7 Feb 2020 8:59

Tgt Ion:	180	Resp:	136662
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.4	142.3
145	32.1	16.3	48.9

