

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060271.D
 Acq On : 28 Feb 2020 9:29
 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
 3/2/2020 11:00:43 AM

Quant Time: Feb 29 00:43:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	235746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	374857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	347531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	169943	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	140975	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	7.56	113	91665	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
50) Toluene-d8	10.08	98	424934	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.40	95	161643	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	105054	48.604	ug/l	98
3) Chloromethane	2.04	50	170008	45.177	ug/l	99
4) Vinyl Chloride	2.16	62	146214	45.305	ug/l	100
5) Bromomethane	2.54	94	60982	46.789	ug/l	96
6) Chloroethane	2.68	64	81257	46.470	ug/l	97
7) Trichlorofluoromethane	3.00	101	195786	47.482	ug/l	100
8) Diethyl Ether	3.38	74	74247	47.691	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	113177	48.499	ug/l	100
10) Methyl Iodide	3.92	142	114328	53.681	ug/l	99
11) Tert butyl alcohol	4.72	59	106304	236.693	ug/l	99
12) 1,1-Dichloroethene	3.71	96	109216	48.220	ug/l	98
13) Acrolein	3.57	56	107119	255.660	ug/l	99
14) Allyl chloride	4.29	41	185925	44.523	ug/l	91
15) Acrylonitrile	4.94	53	290874	245.712	ug/l	99
16) Acetone	3.78	43	195832	200.493	ug/l	98
17) Carbon Disulfide	4.03	76	294711	49.020	ug/l	99
18) Methyl Acetate	4.28	43	147730	45.322	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	391862	47.654	ug/l	100
20) Methylene Chloride	4.52	84	125263	46.697	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	116561	47.883	ug/l	98
22) Diisopropyl ether	5.91	45	414222	48.970	ug/l	99
23) Vinyl Acetate	5.85	43	1675698	249.301	ug/l	100
24) 1,1-Dichloroethane	5.81	63	229205	47.869	ug/l	99
25) 2-Butanone	6.79	43	364212	230.852	ug/l	99
26) 2,2-Dichloropropane	6.79	77	213349	48.944	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	137490	44.202	ug/l	98
28) Bromochloromethane	7.17	49	90583	46.076	ug/l	100
29) Tetrahydrofuran	7.18	42	256034	233.376	ug/l	99
30) Chloroform	7.34	83	229242	48.094	ug/l	100
31) Cyclohexane	7.63	56	201961	49.411	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	204232	48.359	ug/l	99
36) 1,1-Dichloropropene	7.77	75	171947	48.130	ug/l	99
37) Ethyl Acetate	6.89	43	164783	48.712	ug/l	100
38) Carbon Tetrachloride	7.75	117	174134	50.063	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	207286	49.210	ug/l	99
40) Benzene	8.02	78	508247	48.878	ug/l	100
41) Methacrylonitrile	7.14	41	75479m	48.323	ug/l	
42) 1,2-Dichloroethane	8.10	62	184339	49.127	ug/l	99
43) Isopropyl Acetate	8.14	43	291037	49.144	ug/l	99
44) Trichloroethene	8.81	130	139540	48.184	ug/l	99
45) 1,2-Dichloropropane	9.10	63	135927	49.998	ug/l	99
46) Dibromomethane	9.19	93	85373	48.396	ug/l	98
47) Bromodichloromethane	9.38	83	182038	50.739	ug/l	98
48) Methyl methacrylate	9.18	41	130084	48.169	ug/l	99
49) 1,4-Dioxane	9.17	88	38048	1001.861	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	832242	247.858	ug/l	100
52) Toluene	10.14	92	321025	49.148	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	213945	48.666	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	226219	49.660	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	125513	47.784	ug/l	99
56) Ethyl methacrylate	10.42	69	193808	51.358	ug/l	99
57) 1,3-Dichloropropane	10.70	76	213002	49.724	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	535830	271.492	ug/l	100
59) 2-Hexanone	10.74	43	604305	245.121	ug/l	99
60) Dibromochloromethane	10.89	129	136739	51.189	ug/l	99
61) 1,2-Dibromoethane	10.99	107	128730	50.274	ug/l	98
64) Tetrachloroethene	10.62	164	144782	52.996	ug/l	99
65) Chlorobenzene	11.42	112	336620	47.968	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	129920	50.071	ug/l	99
67) Ethyl Benzene	11.50	91	630253	49.317	ug/l	99
68) m/p-Xylenes	11.61	106	470836	97.651	ug/l	99
69) o-Xylene	11.94	106	226081	49.171	ug/l	99
70) Styrene	11.96	104	377498	49.938	ug/l	99
71) Bromoform	12.12	173	95947	51.308	ug/l #	99
73) Isopropylbenzene	12.24	105	619806	49.207	ug/l	100
74) N-amyl acetate	12.06	43	263639	47.898	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164603	48.075	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	158098m	42.402	ug/l	
77) Bromobenzene	12.52	156	149771	48.507	ug/l	99
78) n-propylbenzene	12.59	91	724100	49.042	ug/l	100
79) 2-Chlorotoluene	12.67	91	419894	48.380	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	524727	49.478	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	67422	49.916	ug/l #	61
82) 4-Chlorotoluene	12.77	91	438894	47.998	ug/l	99
83) tert-Butylbenzene	12.99	119	445324	48.500	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	527540	49.283	ug/l	100
85) sec-Butylbenzene	13.17	105	606818	49.352	ug/l	99
86) p-Isopropyltoluene	13.28	119	557403	48.979	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	270361	50.963	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	270317	51.250	ug/l	99
89) n-Butylbenzene	13.61	91	505194	48.358	ug/l	100
90) Hexachloroethane	13.87	117	85600	51.964	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	258643	47.806	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35475	45.753	ug/l	99

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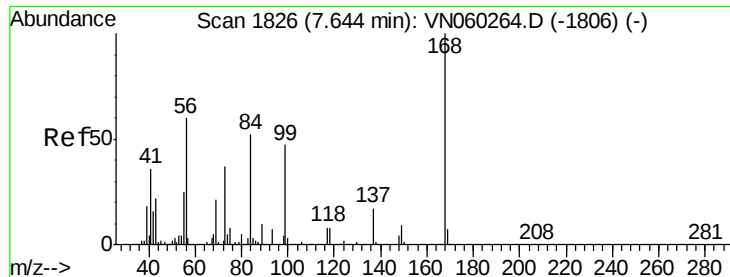
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	172502	50.178	ug/l	99
94) Hexachlorobutadiene	15.01	225	83022	52.565	ug/l	99
95) Naphthalene	15.13	128	484808	47.867	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	159164	49.158	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 235746

Ion Ratio Lower Upper

168 100

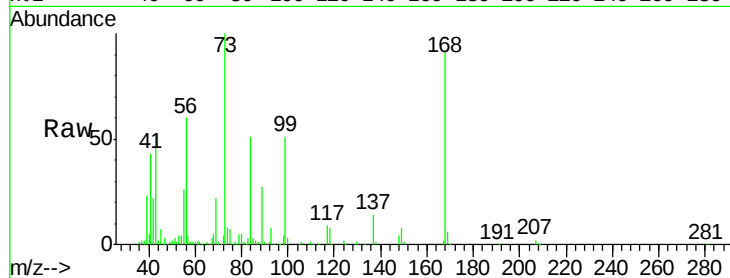
99 56.1 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

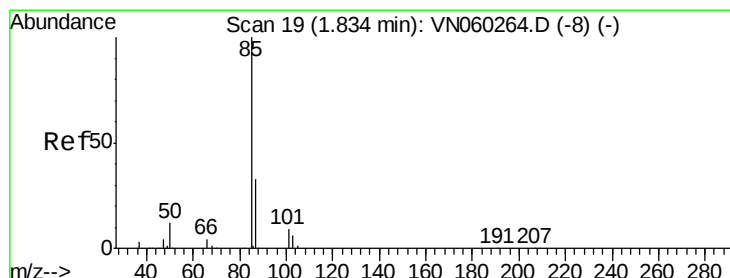
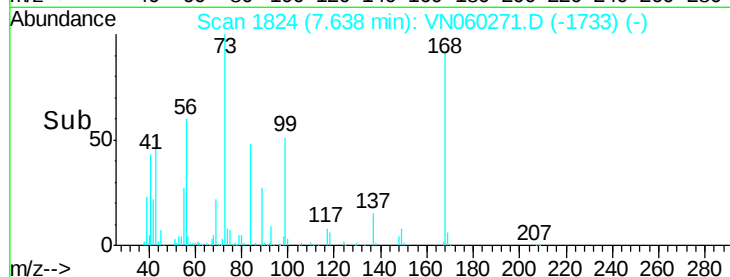
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.604 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060271.D

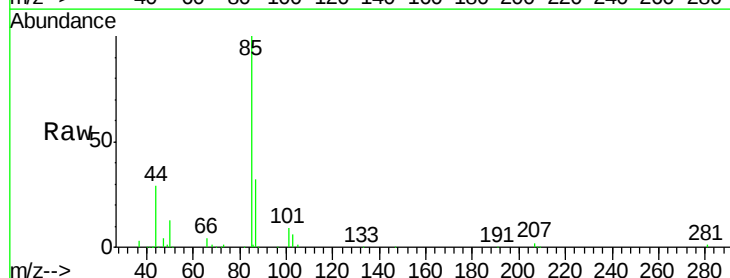
Acq: 28 Feb 2020 9:29

Tgt Ion: 85 Resp: 105054

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

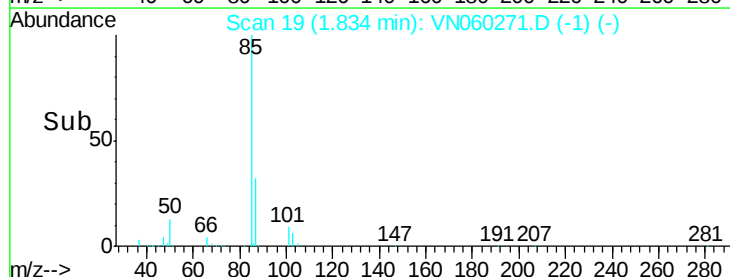
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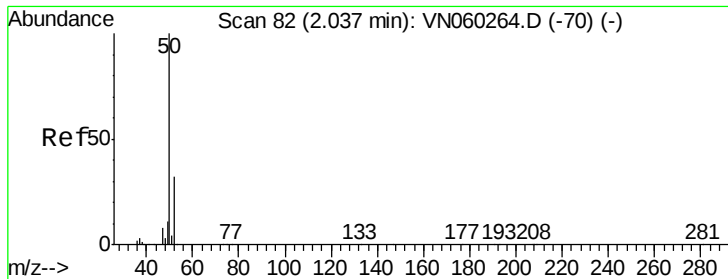
40000

20000

0

Time-->





#3

Chloromethane

Concen: 45.177 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 170008

Ion Ratio Lower Upper

50 100

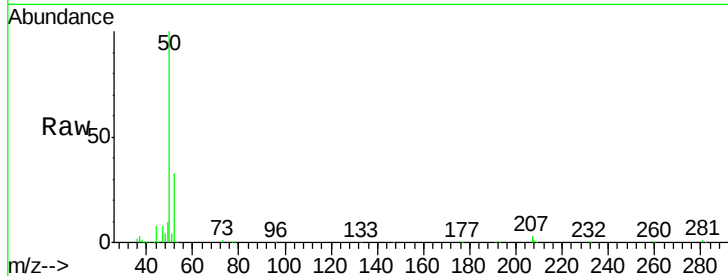
52 32.8 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

150000

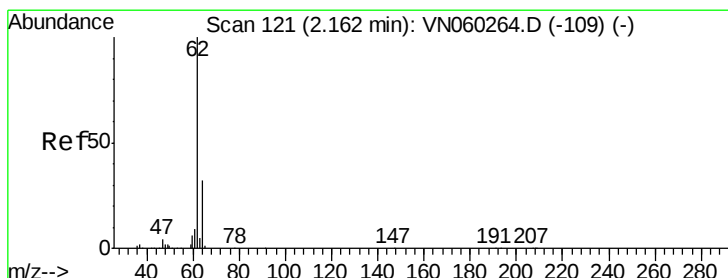
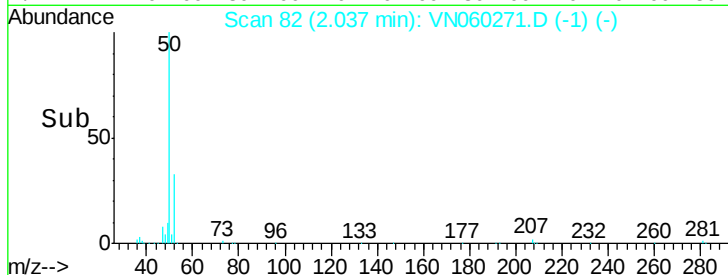
2.04

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 45.305 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060271.D

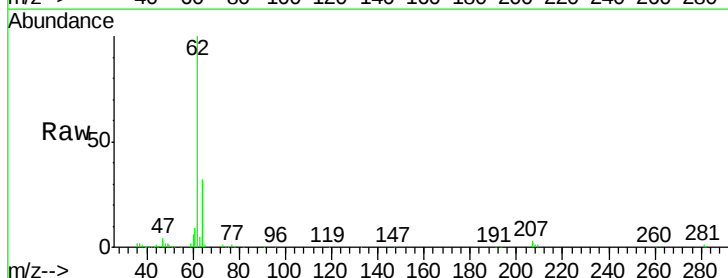
Acq: 28 Feb 2020 9:29

Tgt Ion: 62 Resp: 146214

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

100000

2.16

80000

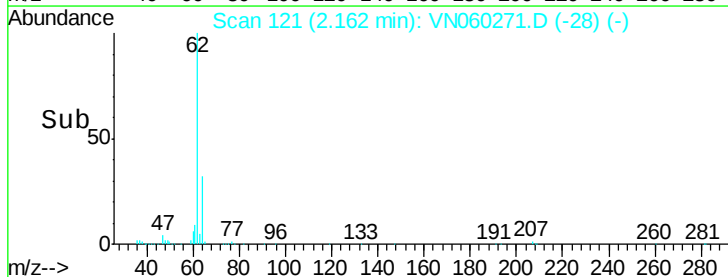
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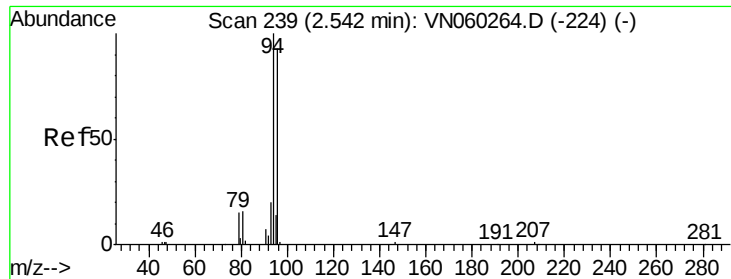
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 46.789 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 60982

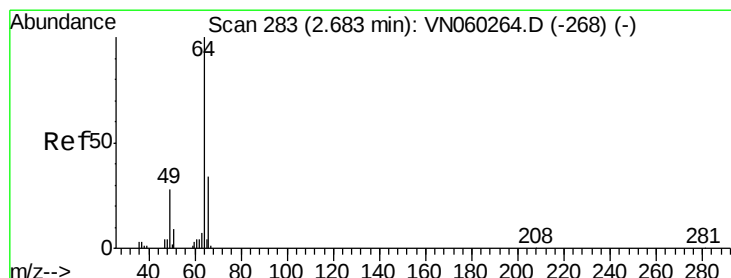
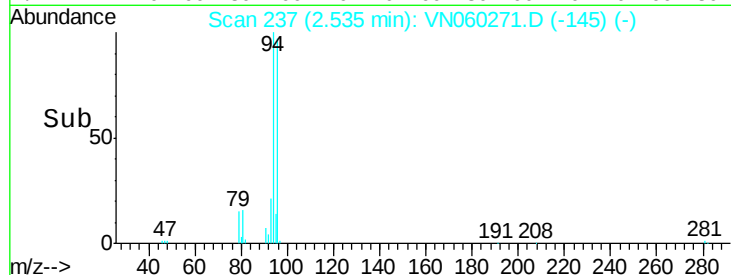
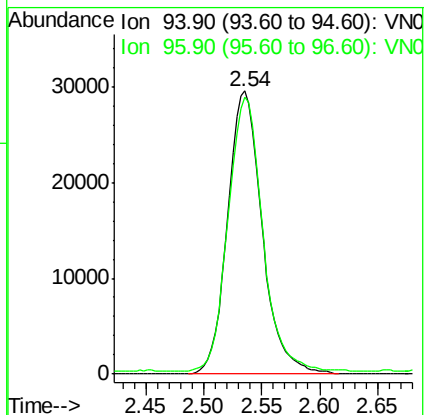
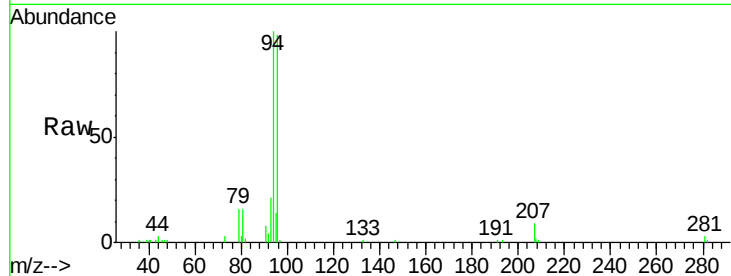
Ion Ratio Lower Upper

94 100

96 96.6 74.3 111.5

Manual Integrations
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3/2/2020 11:00:43 AM



#6

Chloroethane

Concen: 46.470 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060271.D

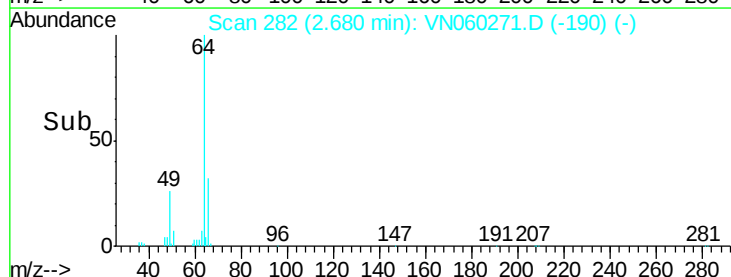
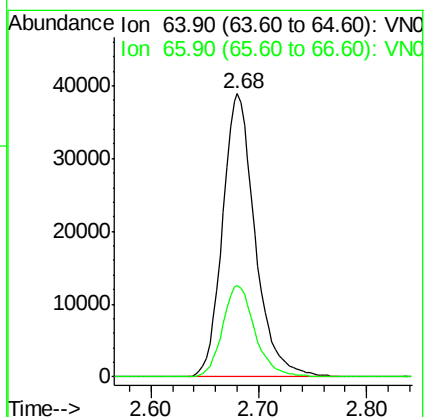
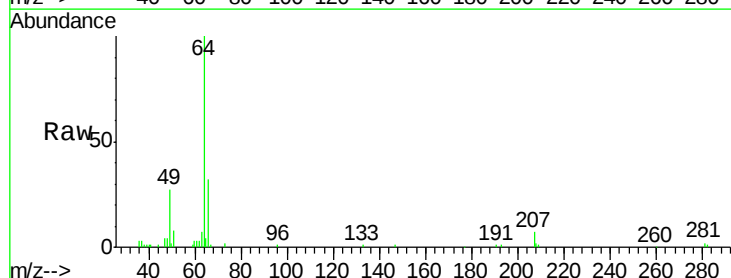
Acq: 28 Feb 2020 9:29

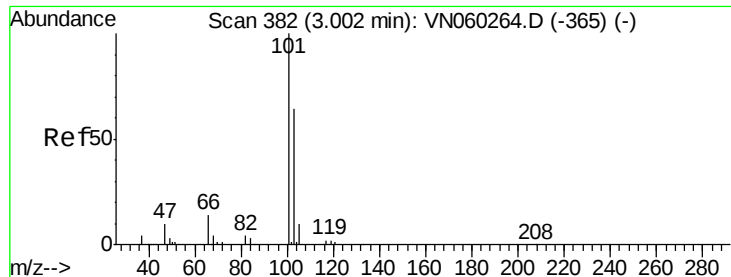
Tgt Ion: 64 Resp: 81257

Ion Ratio Lower Upper

64 100

66 32.5 27.4 41.2





#7

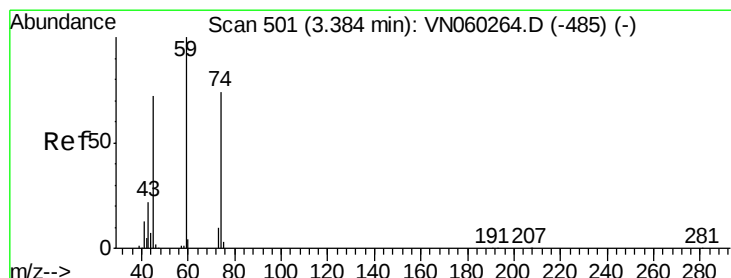
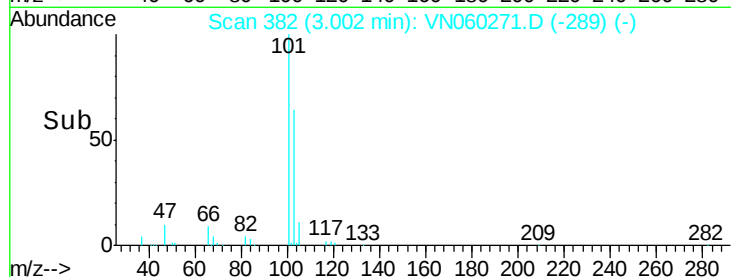
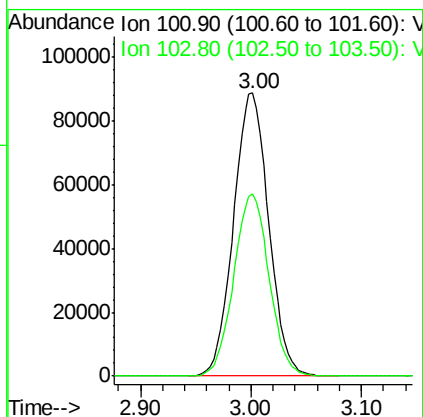
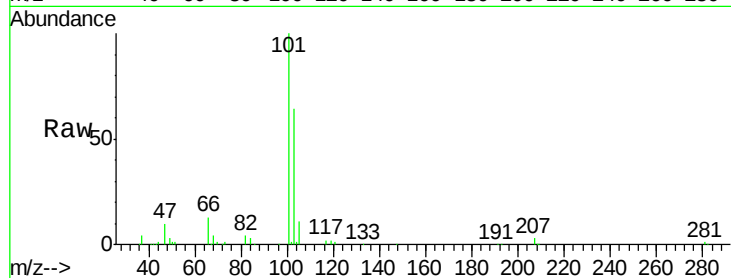
Trichlorofluoromethane
Concen: 47.482 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	195786		
103	64.2	51.3	76.9	

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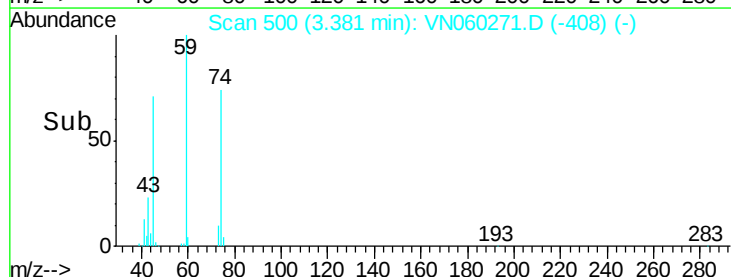
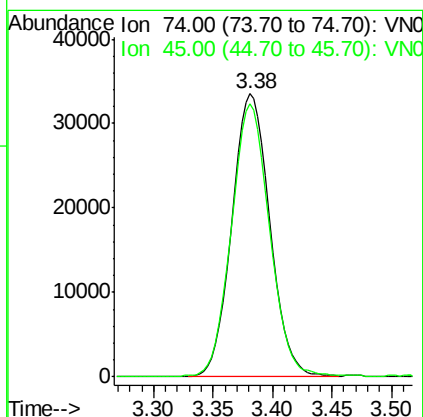
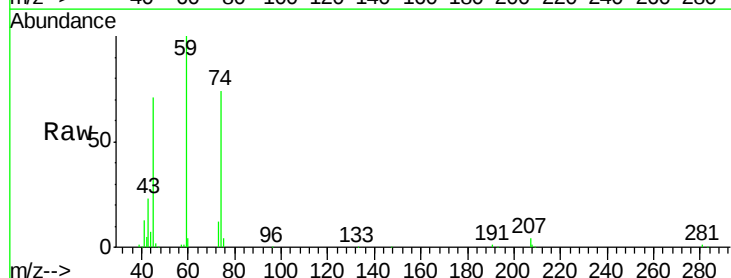
MMDadoda
3/2/2020 11:00:43 AM



#8

Diethyl Ether
Concen: 47.691 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	74247		
45	97.1	49.5	148.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.499 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

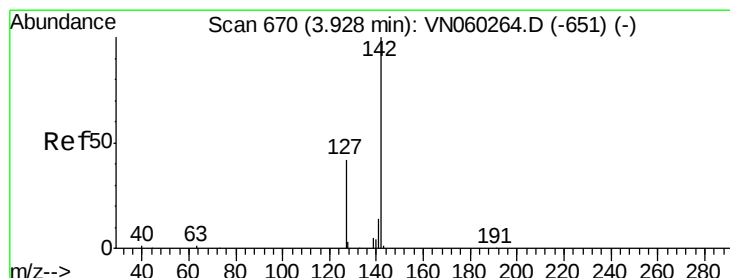
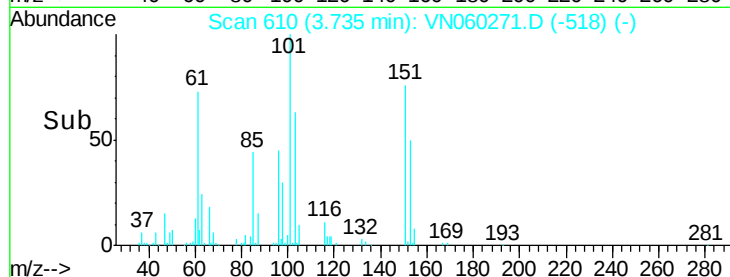
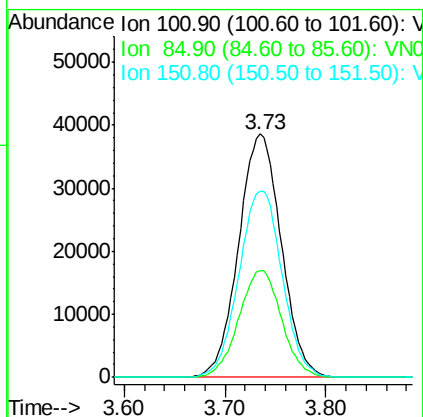
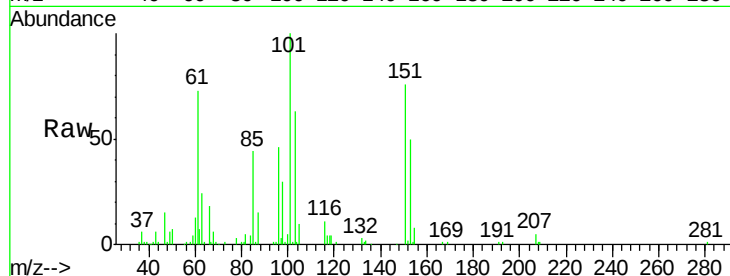
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	113177
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.4	53.2
151	77.7	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 53.681 ug/l

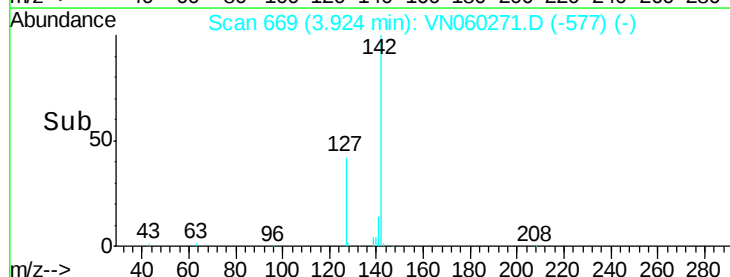
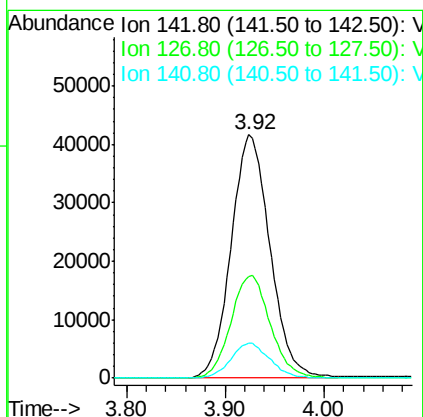
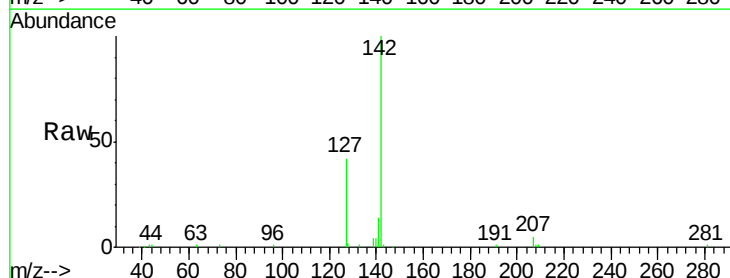
RT: 3.92 min Scan# 669

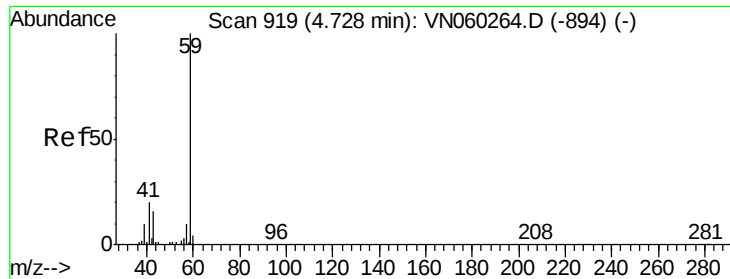
Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	142	Resp:	114328
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.8	50.6
141	14.2	11.1	16.7





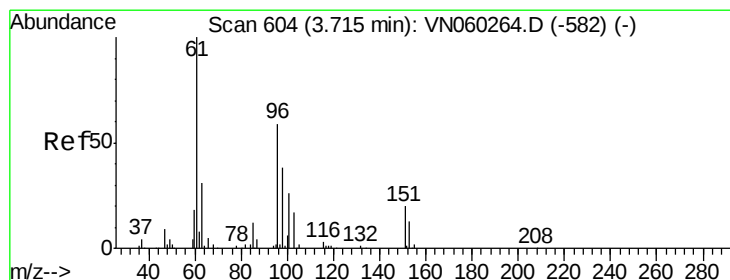
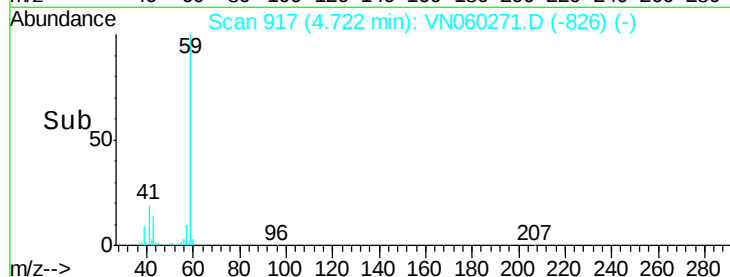
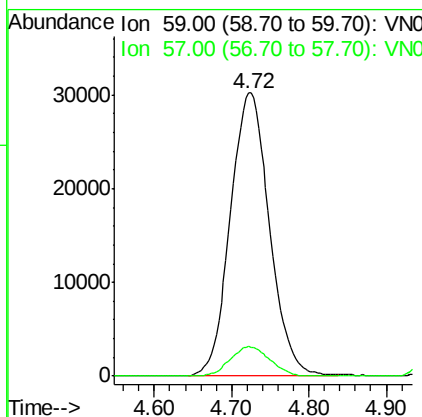
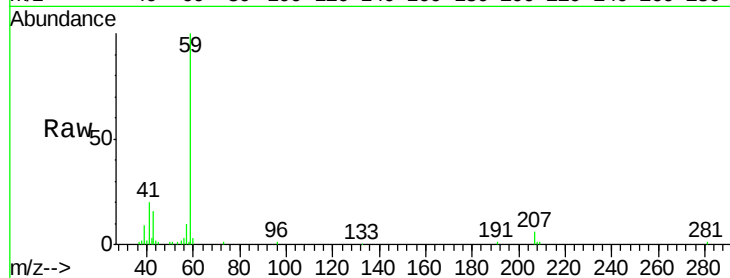
#11
Tert butyl alcohol
Concen: 236.693 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

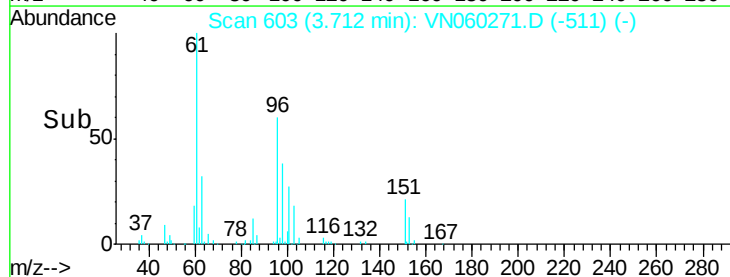
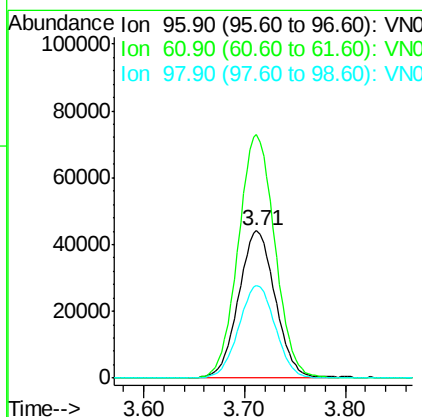
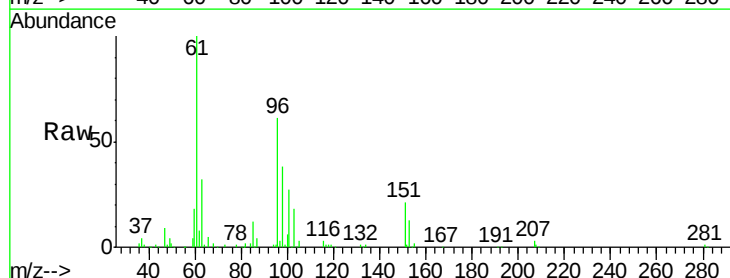
Manual Integrations
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3/2/2020 11:00:43 AM



#12
1,1-Dichloroethene
Concen: 48.220 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	135.4	203.0
98	63.4	51.6	77.4





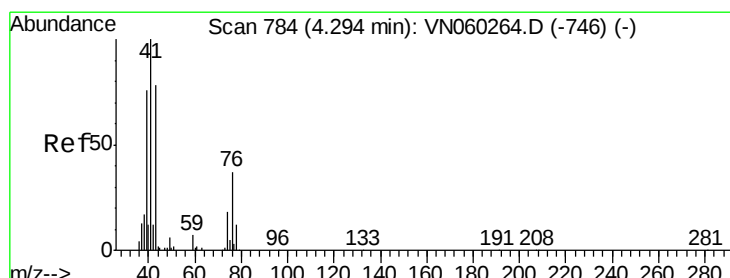
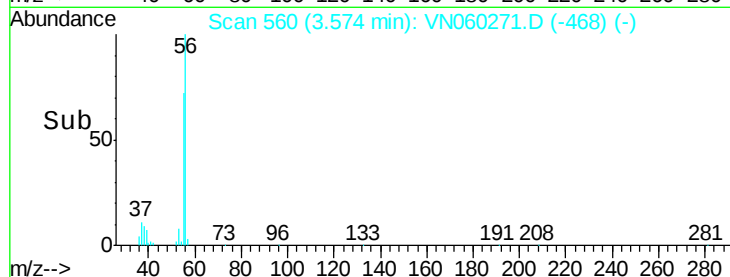
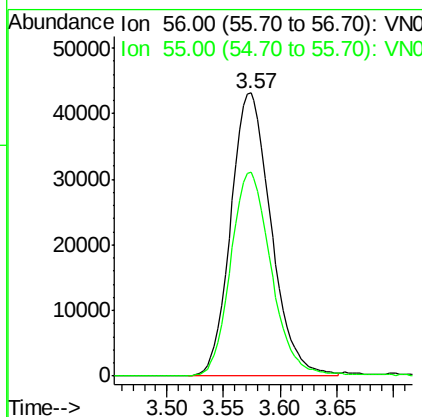
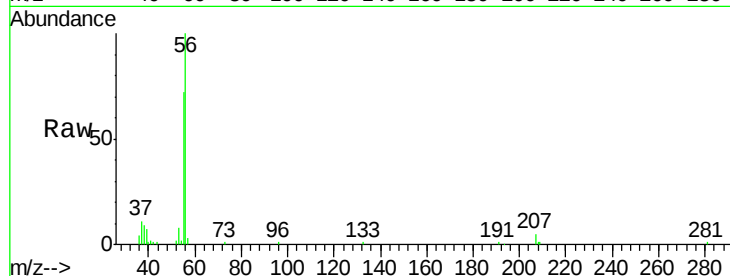
#13
Acrolein
Concen: 255.660 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	107119
Ion Ratio	Lower	Upper	
56	100		
55	72.4	57.4	86.0

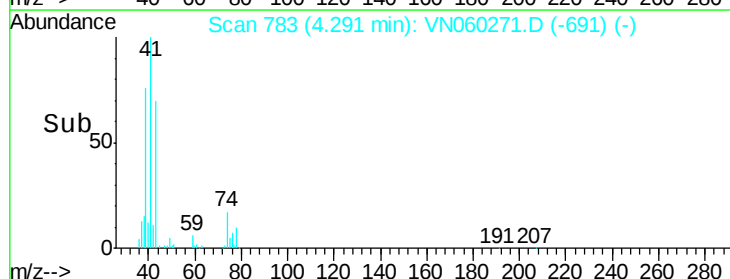
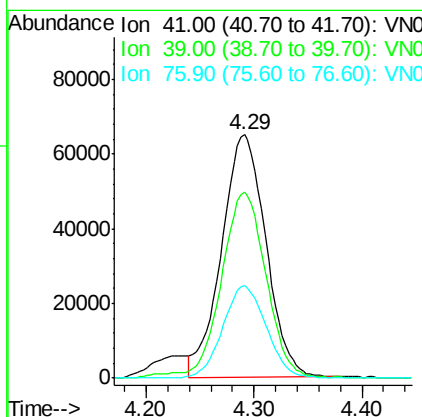
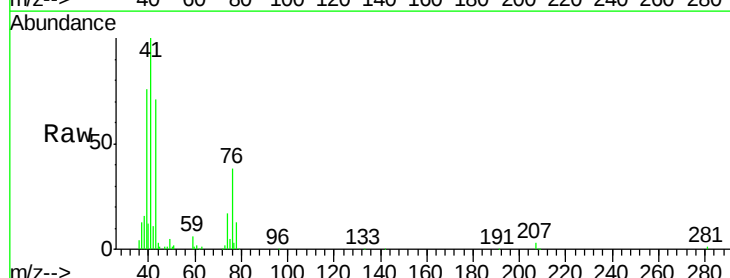
Manual Integrations
APPROVED

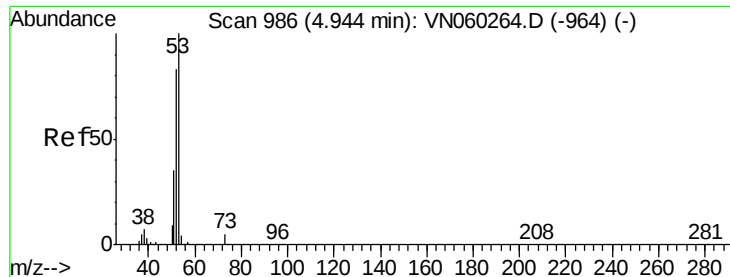
MMDadoda
3/2/2020 11:00:43 AM



#14
Allyl chloride
Concen: 44.523 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	41	Resp	185925
Ion Ratio	Lower	Upper	
41	100		
39	77.8	55.4	83.2
76	37.5	27.0	40.6





#15

Acrylonitrile

Concen: 245.712 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

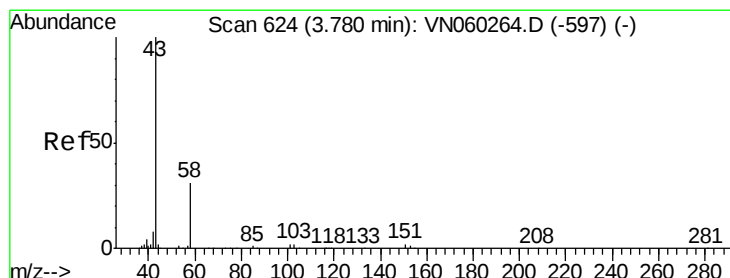
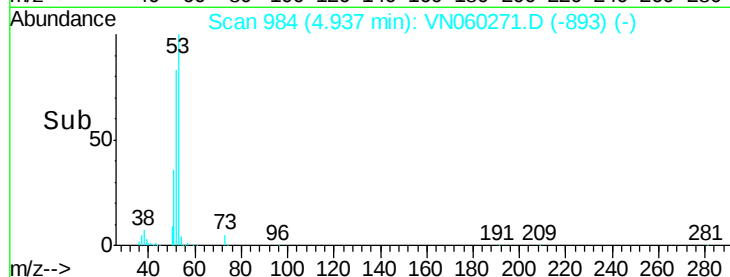
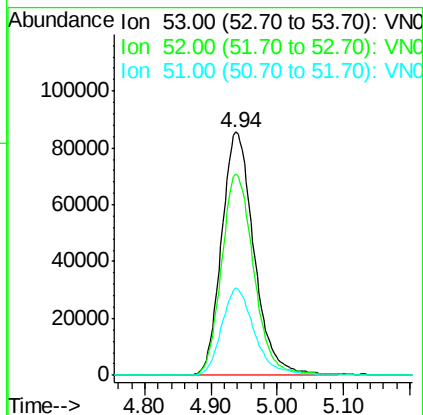
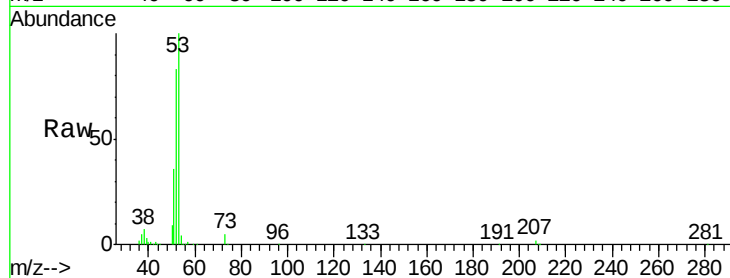
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	290874
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.8	100.2
51	36.2	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 200.493 ug/l

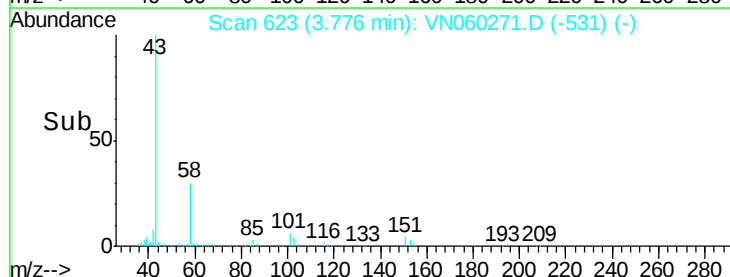
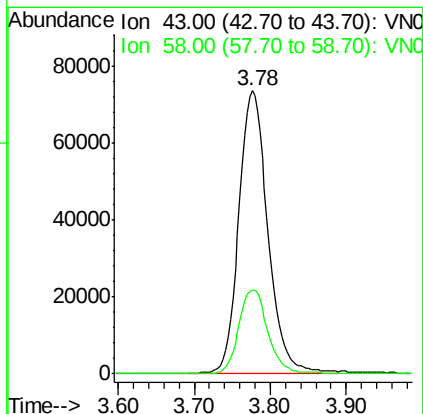
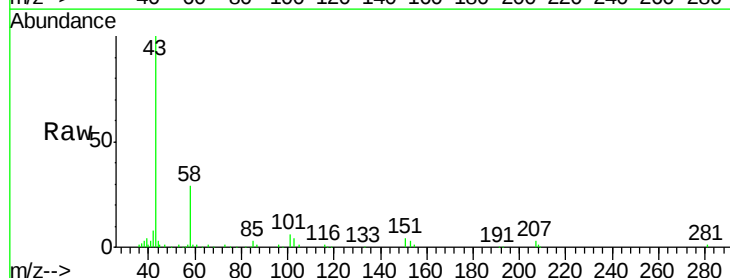
RT: 3.78 min Scan# 623

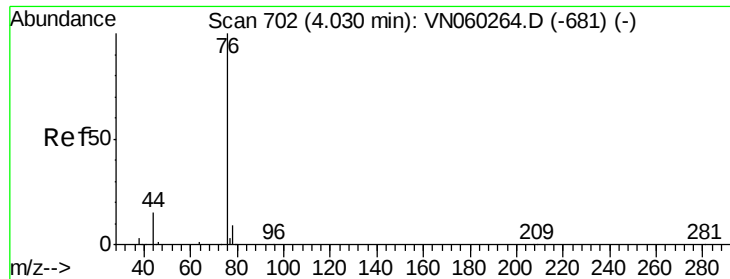
Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	43	Resp:	195832
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	36.8





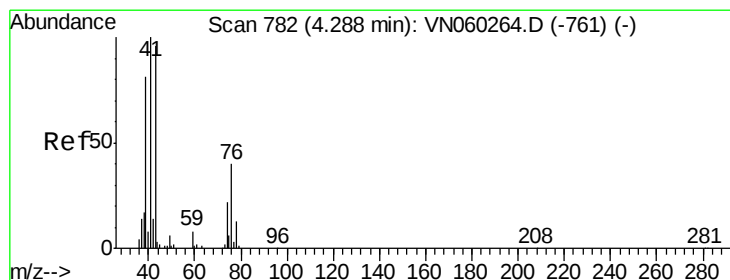
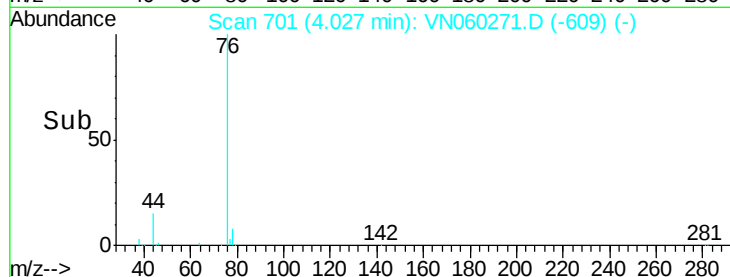
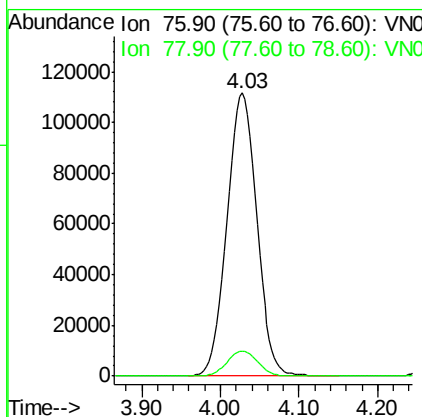
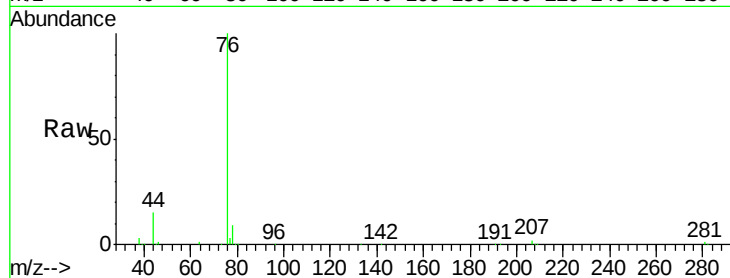
#17
Carbon Disulfide
Concen: 49.020 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

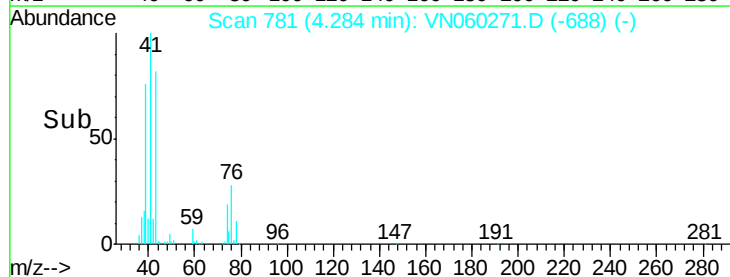
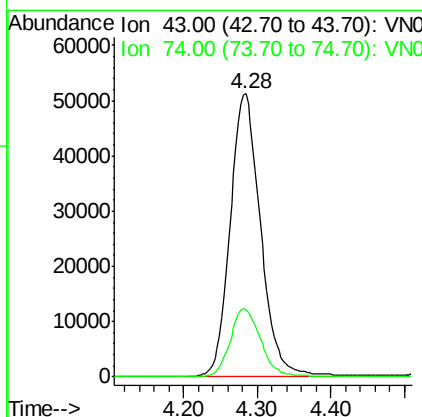
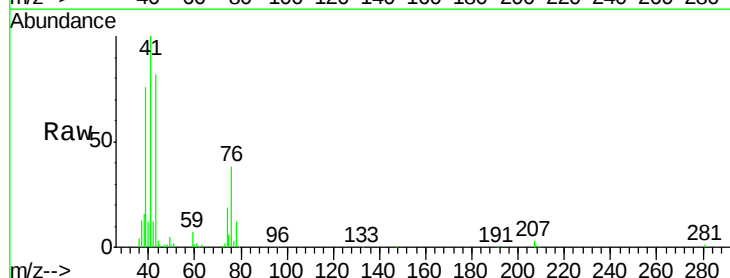
Manual Integrations
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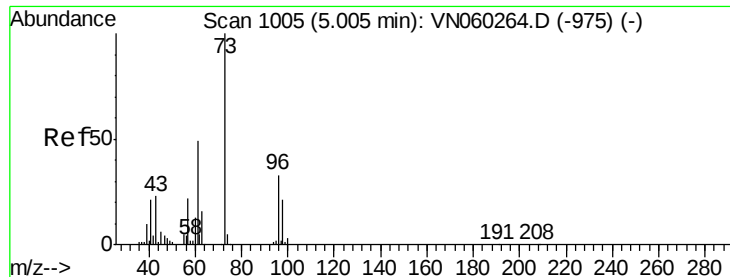
MMDadoda
3/2/2020 11:00:43 AM



#18
Methyl Acetate
Concen: 45.322 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.8	28.2





#19

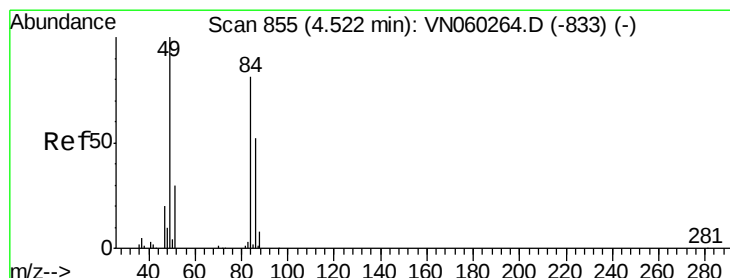
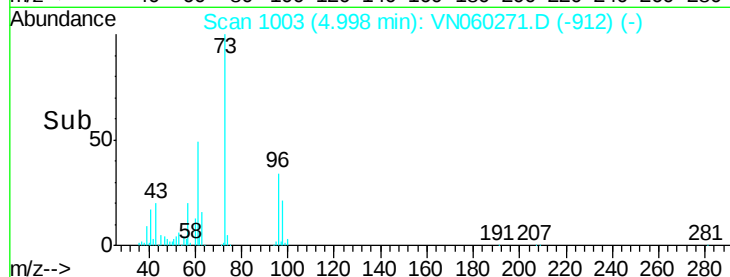
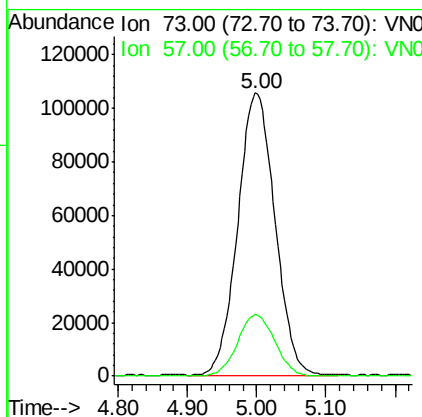
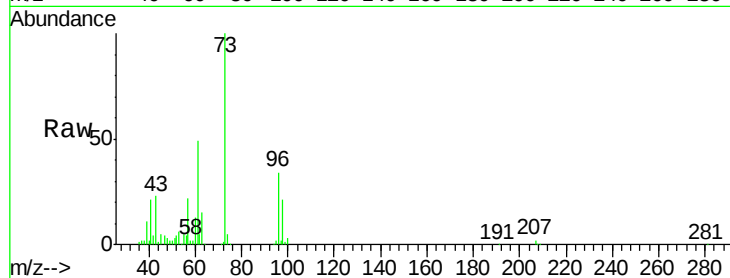
Methyl tert-butyl Ether
 Concen: 47.654 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.3	25.9

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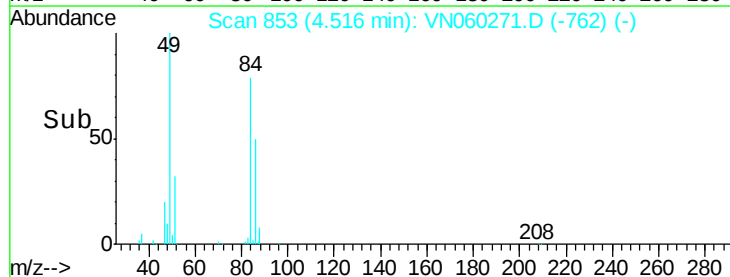
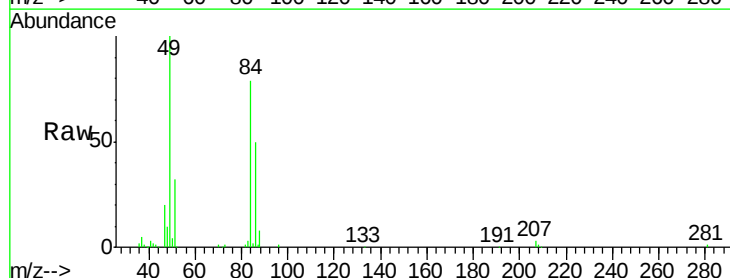
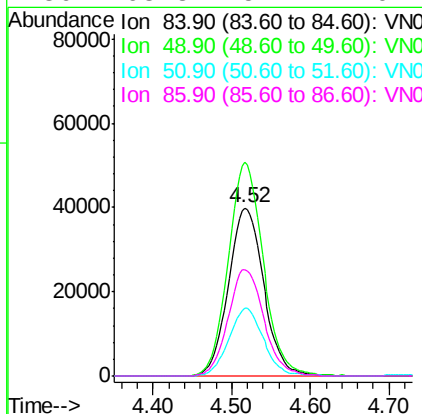
MMDadoda
 3/2/2020 11:00:43 AM



#20

Methylene Chloride
 Concen: 46.697 ug/l
 RT: 4.52 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.4	99.3	148.9
51	40.6	30.1	45.1
86	63.3	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 47.883 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

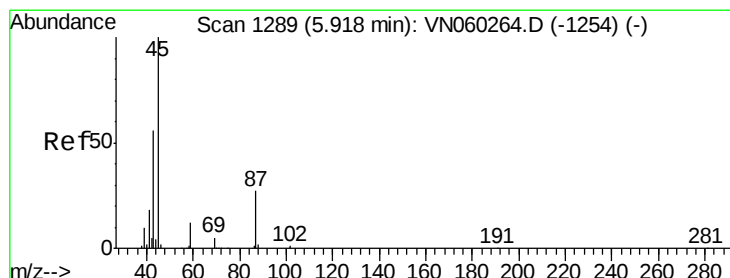
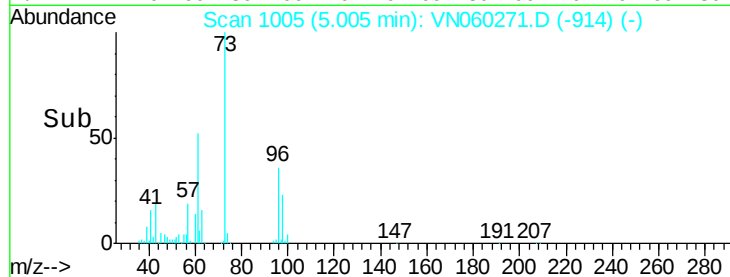
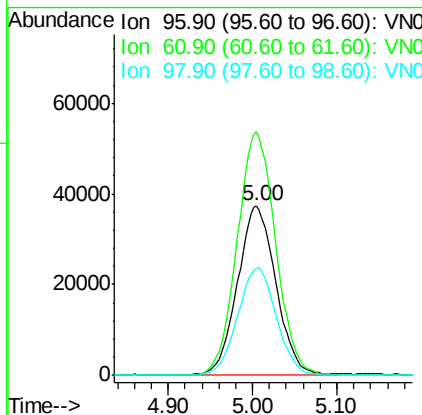
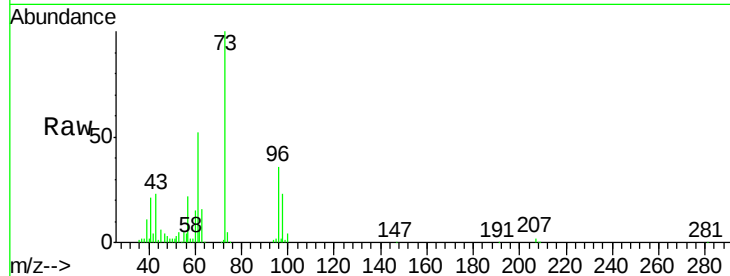
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	116561
Ion	Ratio	Lower	Upper
96	100		
61	144.3	113.8	170.8
98	63.4	48.8	73.2

Manual Integrations
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MMDadoda
3/2/2020 11:00:43 AM



#22

Diisopropyl ether

Concen: 48.970 ug/l

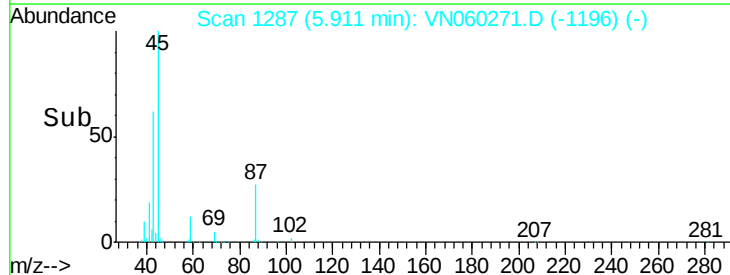
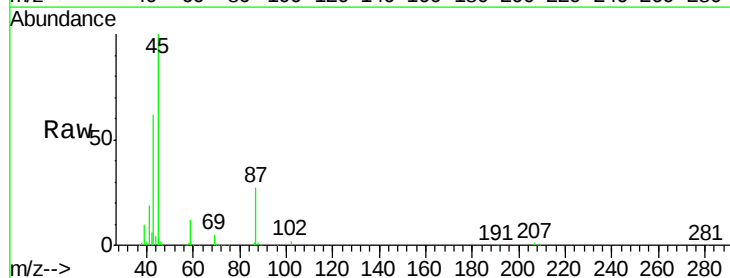
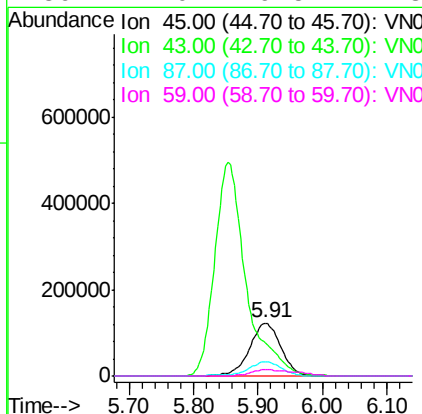
RT: 5.91 min Scan# 1287

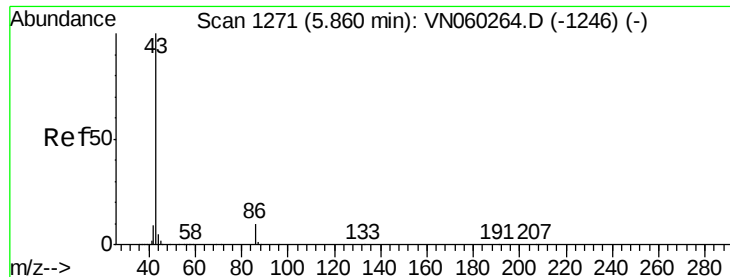
Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	45	Resp:	414222
Ion	Ratio	Lower	Upper
45	100		
43	61.3	48.6	72.8
87	27.2	22.2	33.2
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 249.301 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1675698

Ion Ratio Lower Upper

43 100

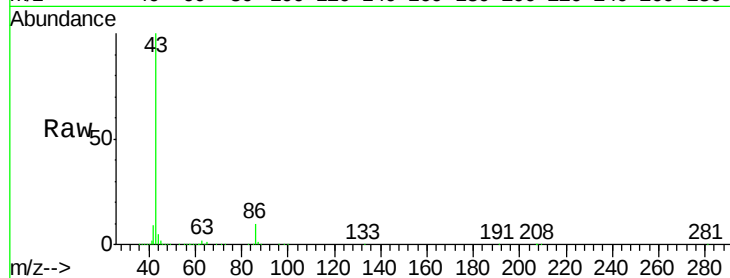
86 10.0 8.0 12.0

Manual Integrations

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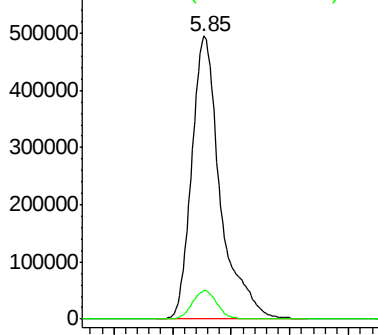
MMDadoda

3/2/2020 11:00:43 AM

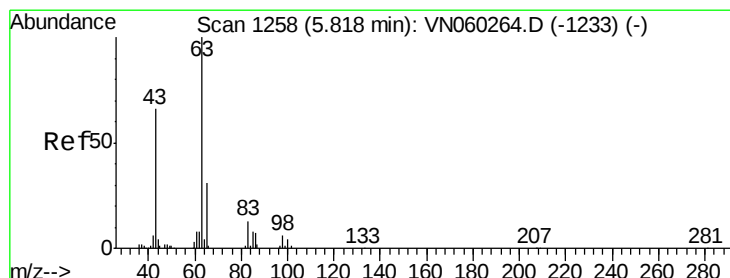
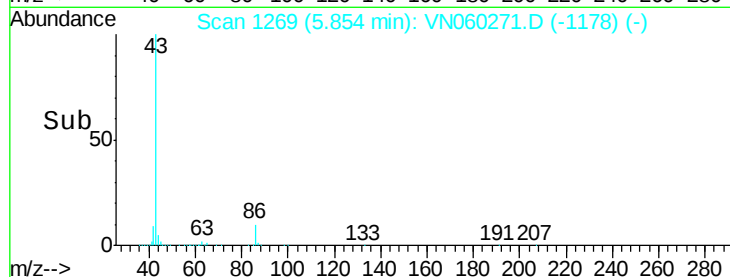


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 47.869 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

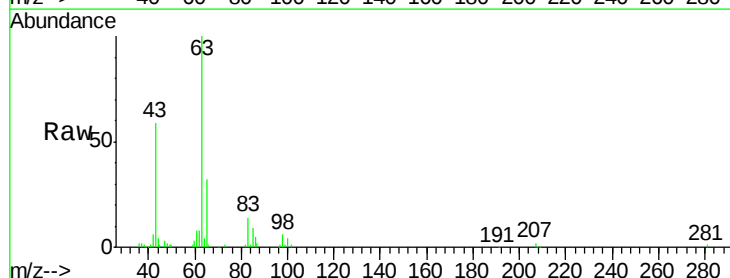
Tgt Ion: 63 Resp: 229205

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

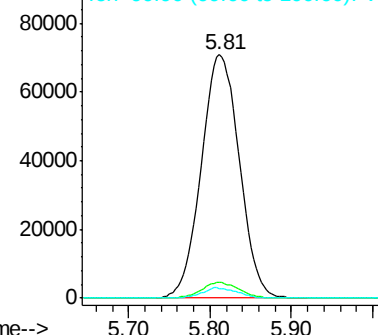
100 4.1 2.0 6.0



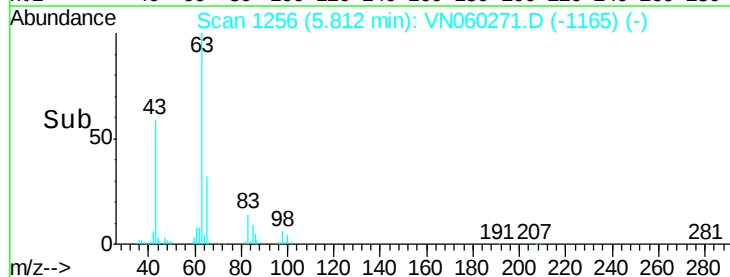
Abundance Ion 62.90 (62.60 to 63.60): VN0

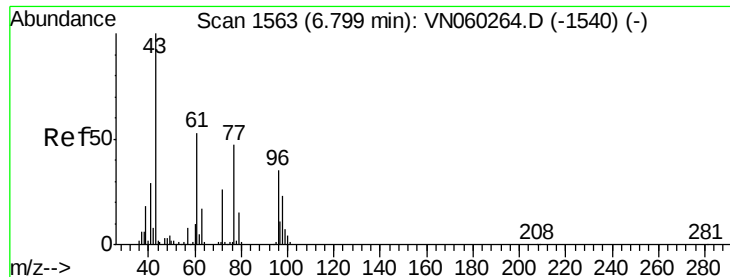
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 230.852 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 364212

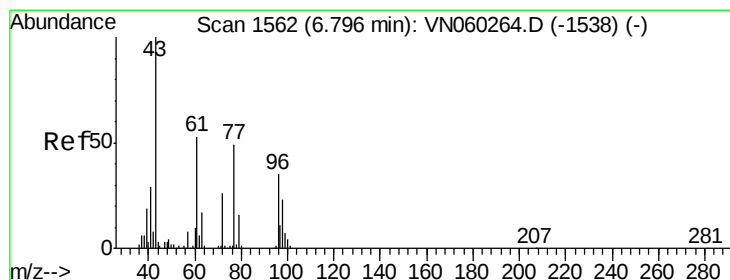
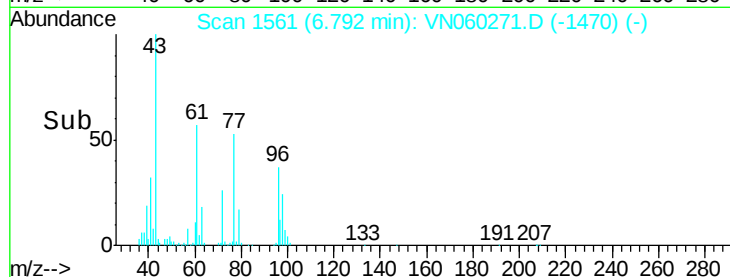
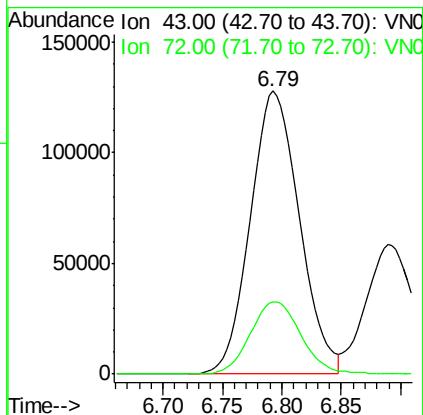
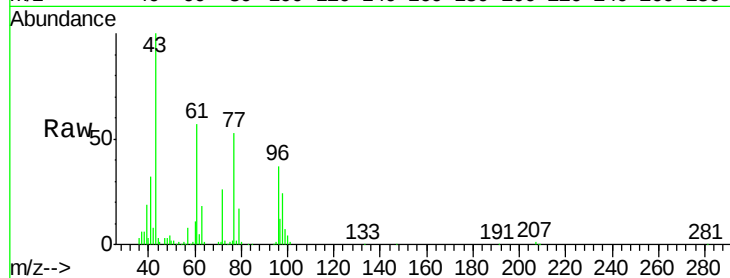
Ion Ratio Lower Upper

43 100

72 25.7 20.9 31.3

Manual Integrations
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MMDadoda
3/2/2020 11:00:43 AM



#26

2,2-Dichloropropane

Concen: 48.944 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN060271.D

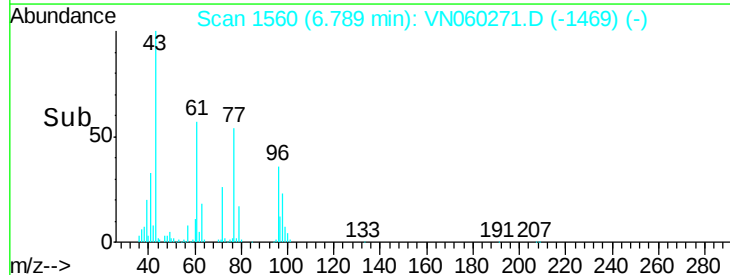
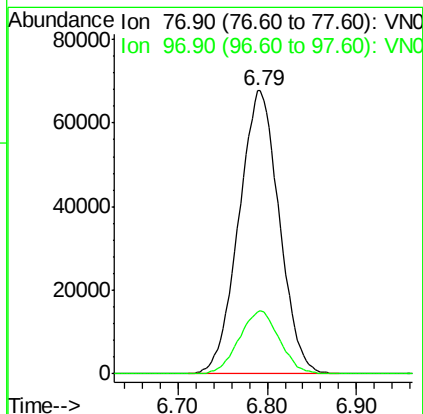
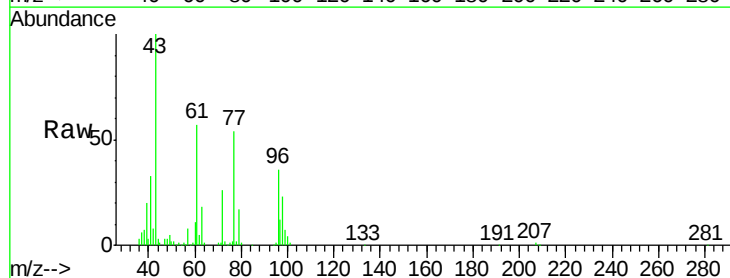
Acq: 28 Feb 2020 9:29

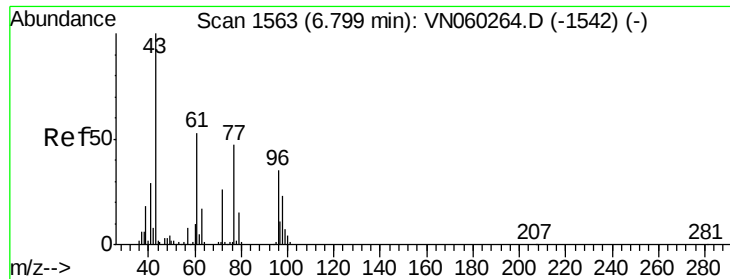
Tgt Ion: 77 Resp: 213349

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





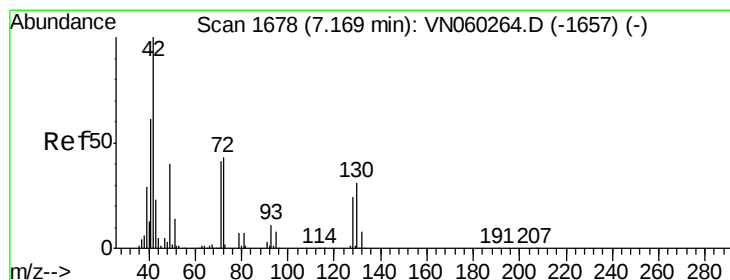
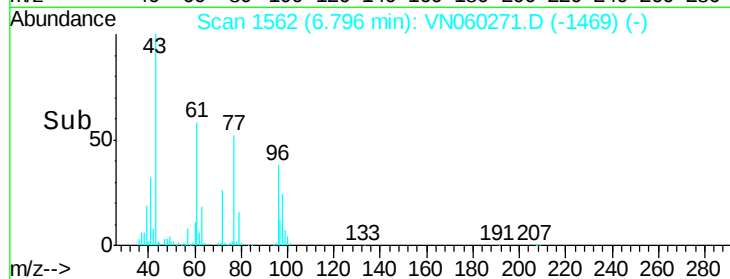
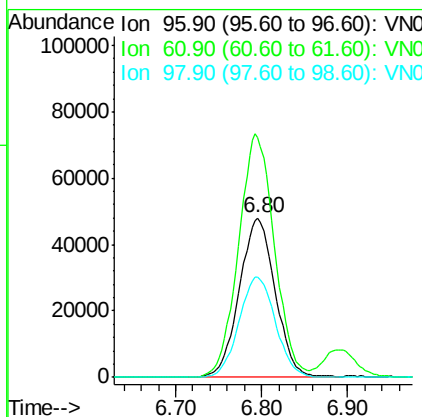
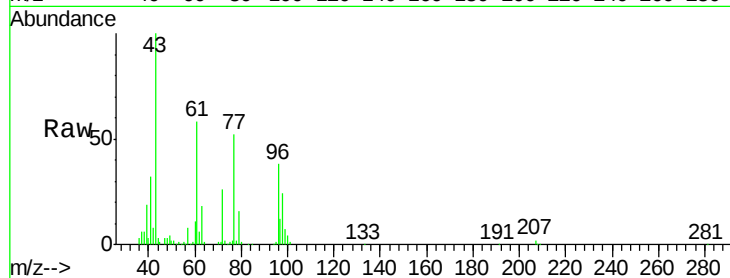
#27
 cis-1,2-Dichloroethene
 Concen: 44.202 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	154.2	0.0	300.8	
98	64.8	0.0	128.2	

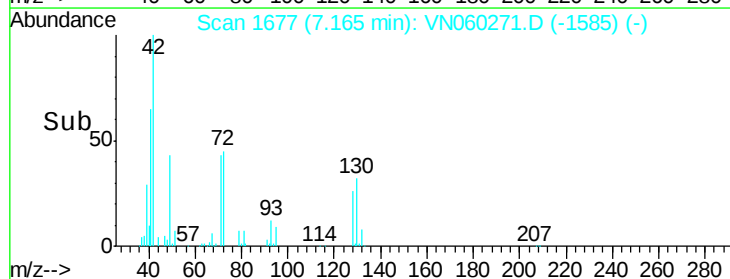
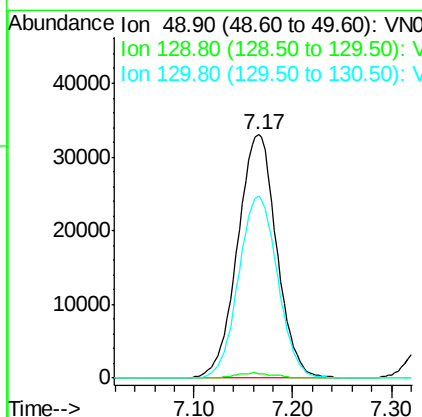
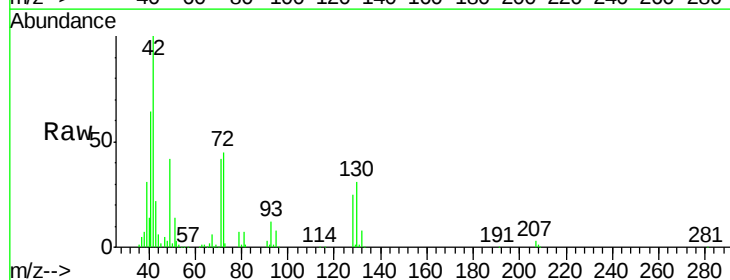
Manual Integrations
 APPROVED

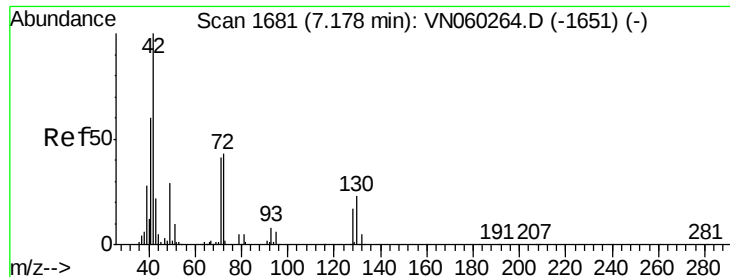
MMDadoda
 3/2/2020 11:00:43 AM



#28
 Bromochloromethane
 Concen: 46.076 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	74.4	59.8	89.8	





#29

Tetrahydrofuran

Concen: 233.376 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

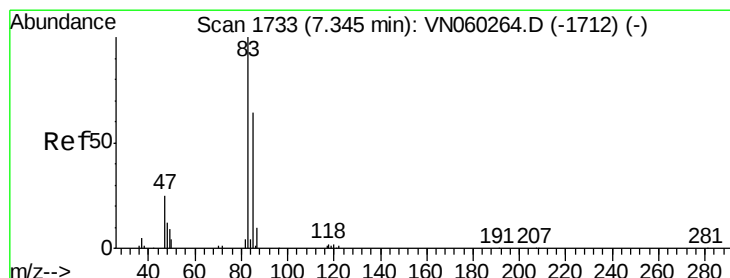
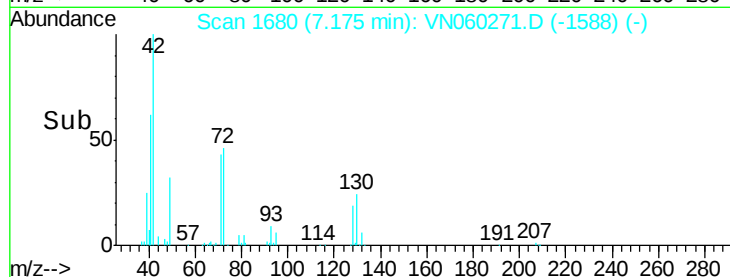
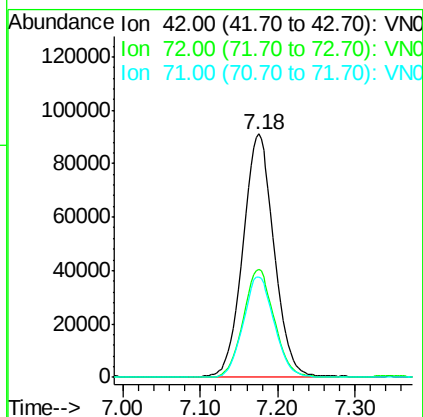
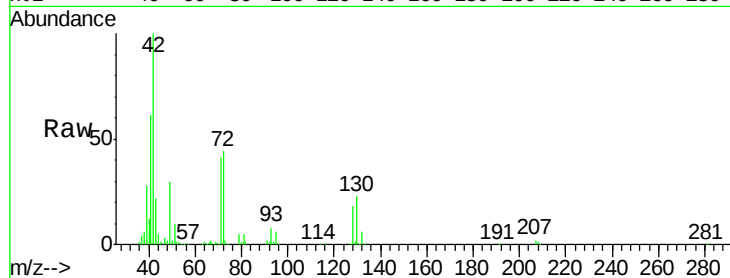
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	256034
Ion Ratio		Lower	Upper
42	100		
72	43.9	34.6	52.0
71	41.1	32.9	49.3

Manual Integrations
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MMDadoda
3/2/2020 11:00:43 AM



#30

Chloroform

Concen: 48.094 ug/l

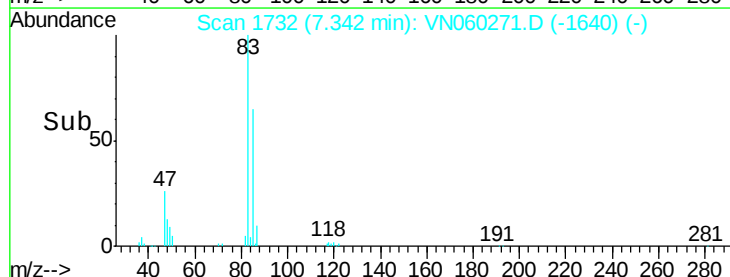
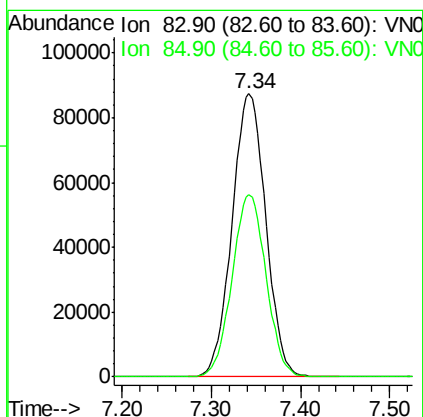
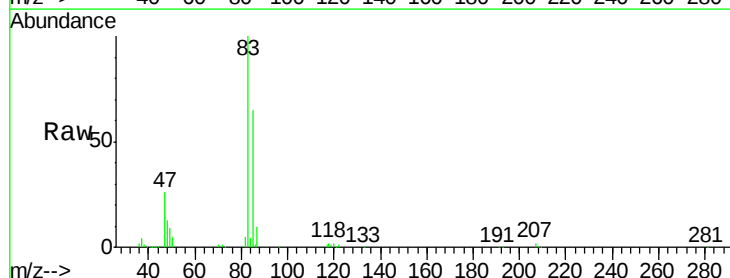
RT: 7.34 min Scan# 1732

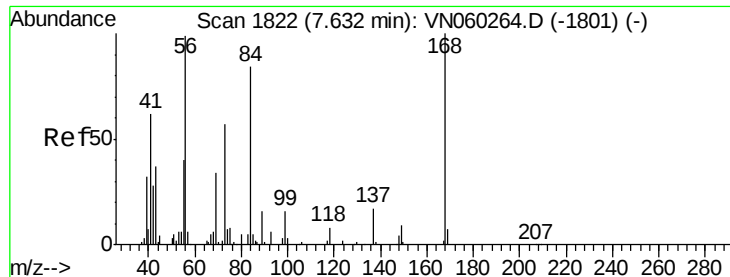
Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	83	Resp:	229242
Ion Ratio		Lower	Upper
83	100		
85	64.5	51.4	77.2





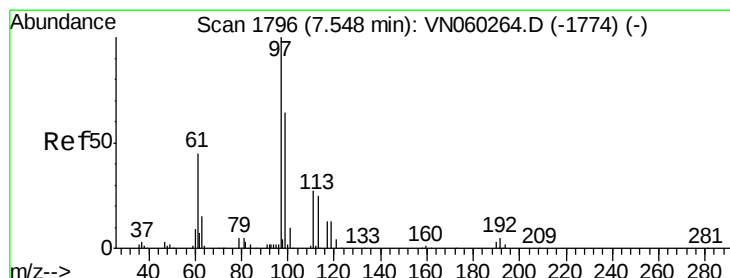
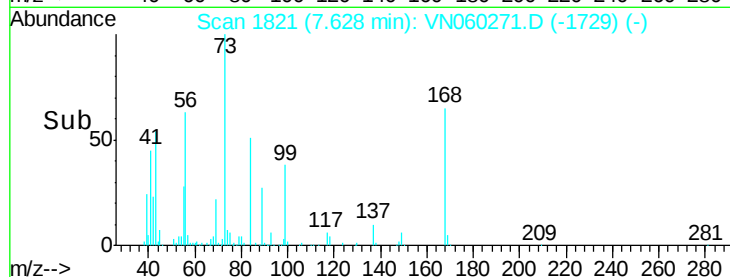
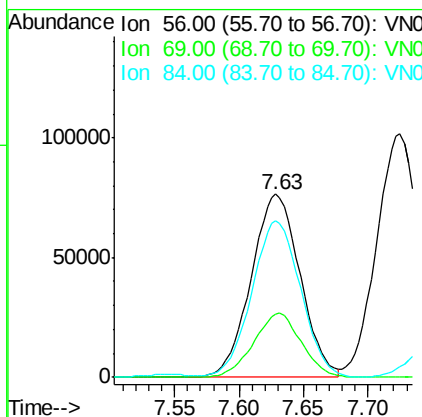
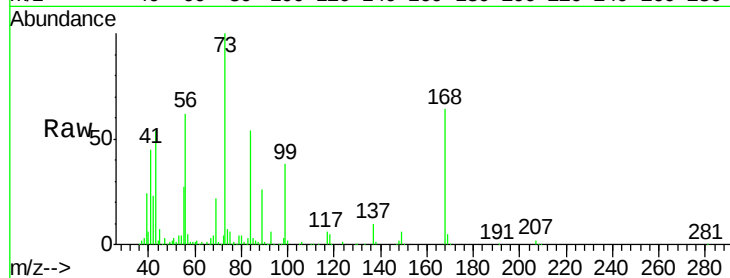
#31
Cyclohexane
Concen: 49.411 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.2	40.8
84	84.8	66.7	100.1

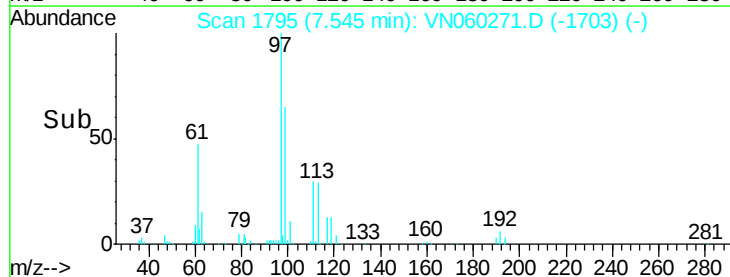
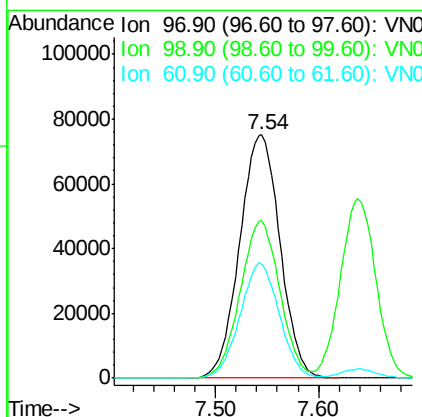
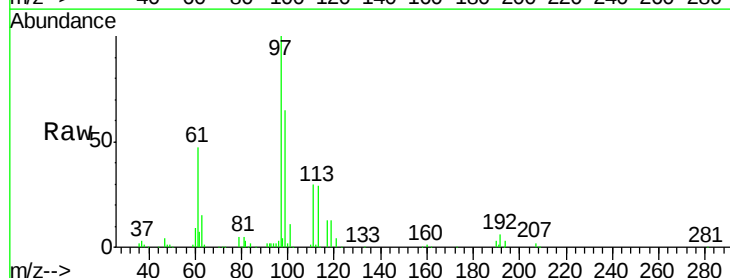
Manual Integrations
APPROVED

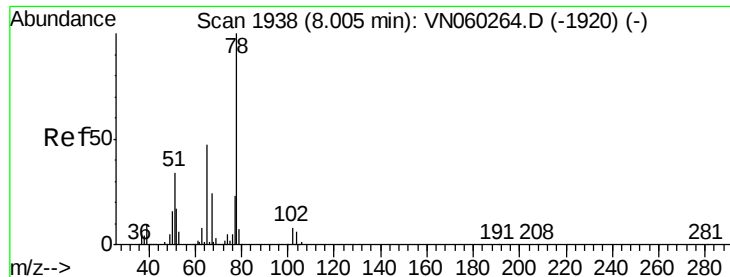
MMDadoda
3/2/2020 11:00:43 AM



#32
1,1,1-Trichloroethane
Concen: 48.359 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	46.1	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 46.609 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 140975

Ion Ratio Lower Upper

65 100

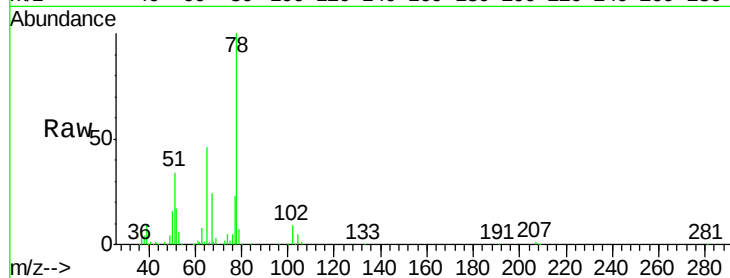
67 52.5 0.0 103.8

Manual Integrations

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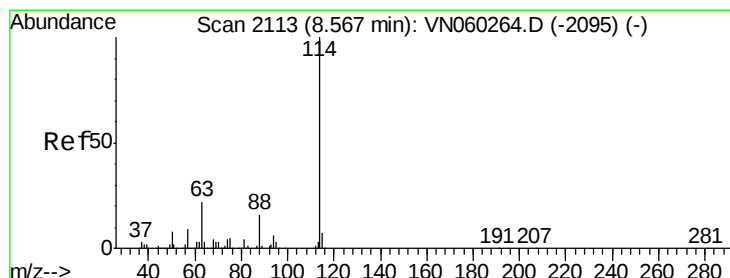
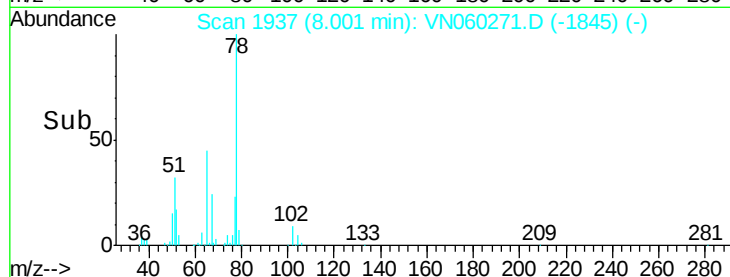
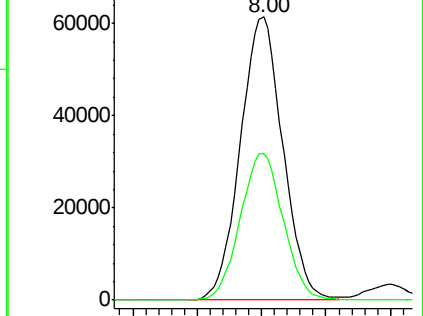
MMDadoda

3/2/2020 11:00:43 AM



Abundance Ion 64.90 (64.60 to 65.60): VN060271.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060271.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

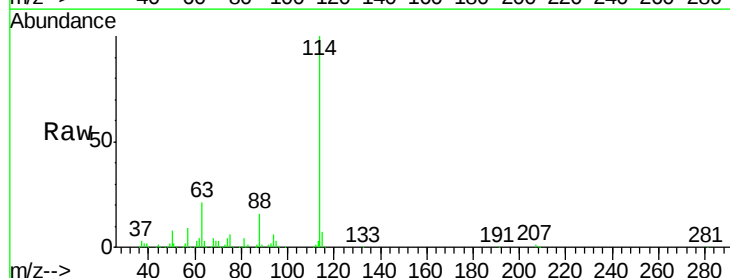
Tgt Ion: 114 Resp: 374857

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

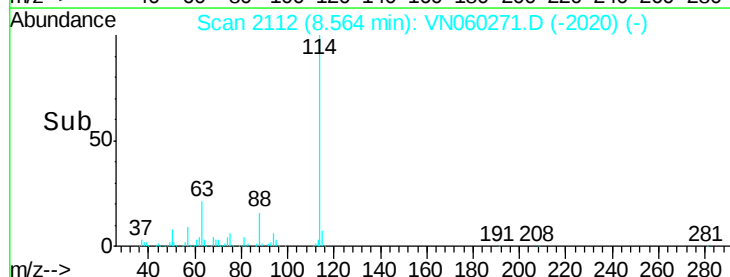
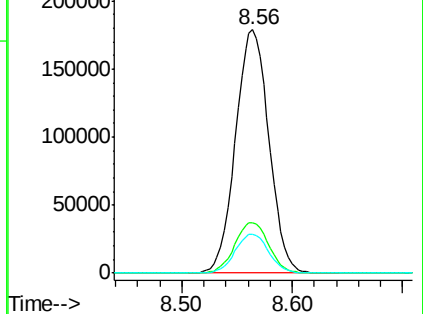
88 16.1 0.0 31.6

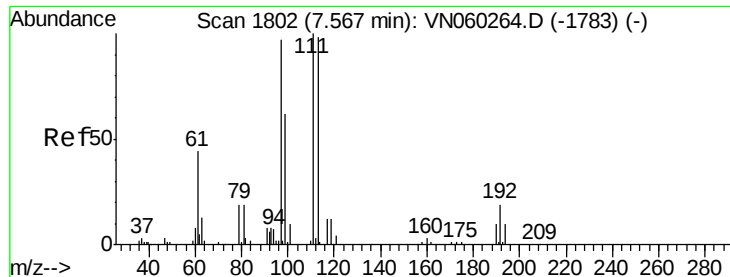


Abundance Ion 113.90 (113.60 to 114.60): VN060271.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060271.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060271.D (-2020) (-)





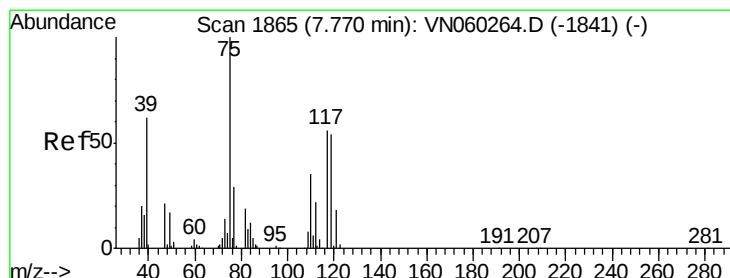
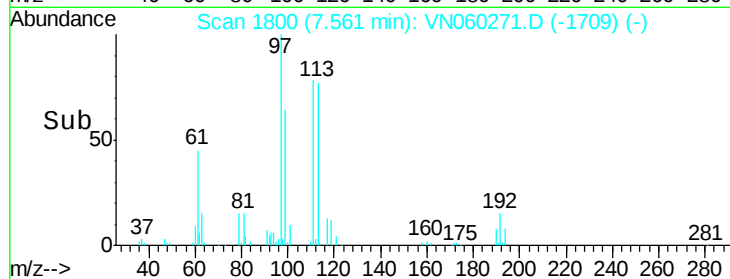
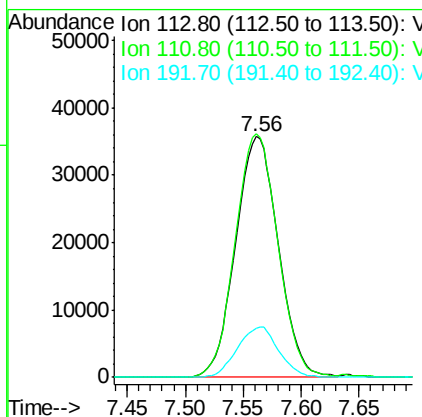
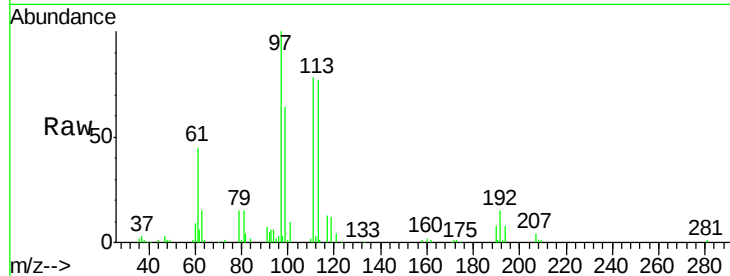
#35
 Dibromofluoromethane
 Concen: 52.682 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	91665		
111	100.7	82.4	123.6	
192	20.3	16.2	24.2	

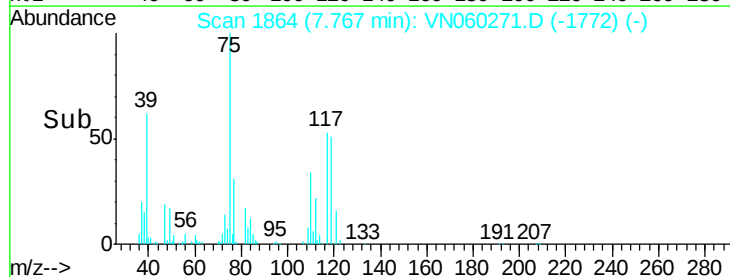
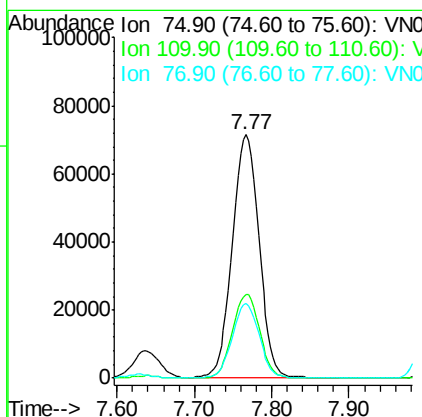
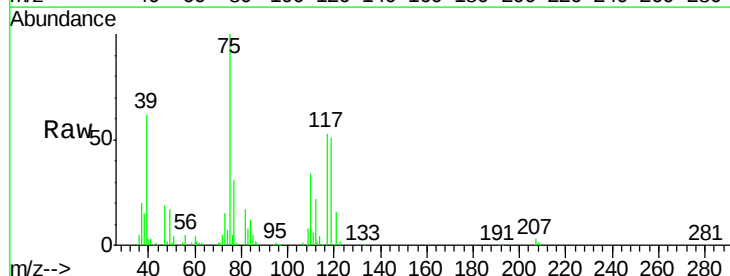
Manual Integrations
 APPROVED

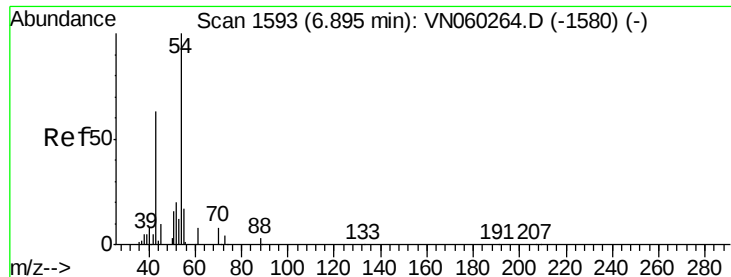
MMDadoda
 3/2/2020 11:00:43 AM



#36
 1,1-Dichloropropene
 Concen: 48.130 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	171947		
110	34.6	17.3	52.0	
77	30.9	24.2	36.2	





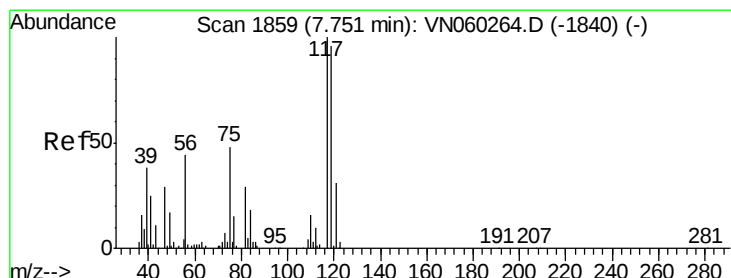
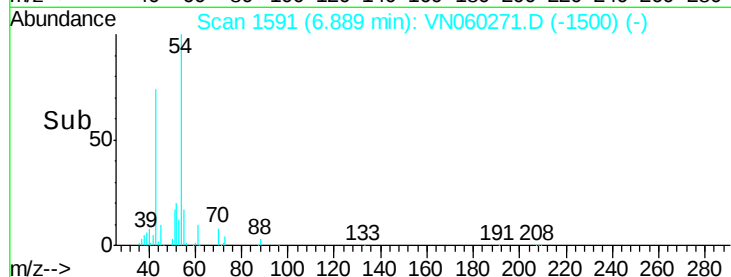
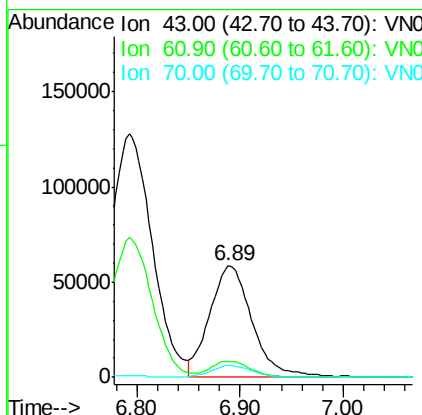
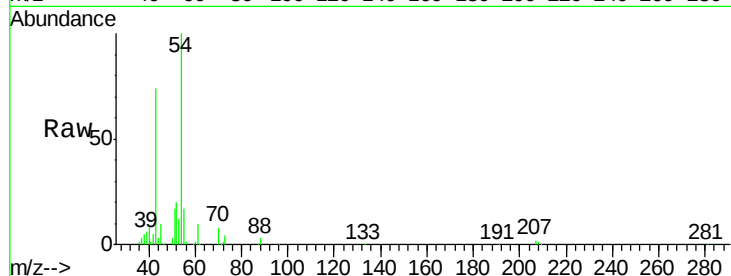
#37
Ethyl Acetate
Concen: 48.712 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	10.2	8.4	12.6

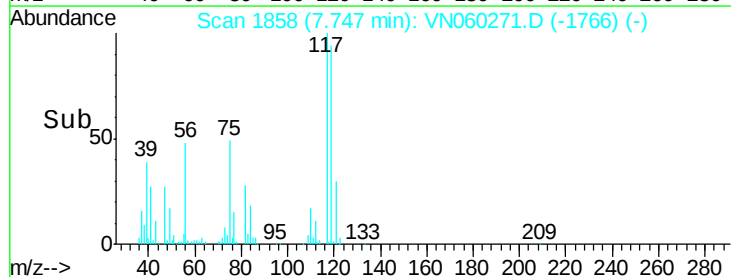
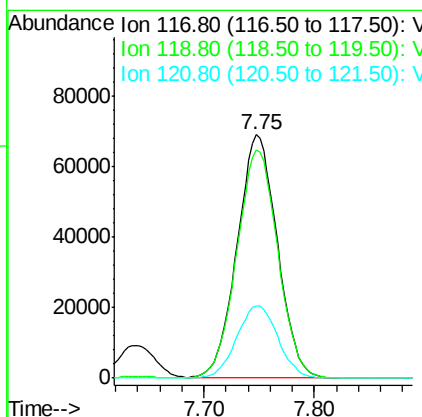
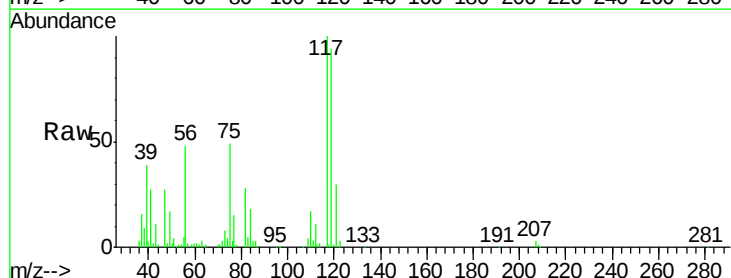
Manual Integrations
APPROVED

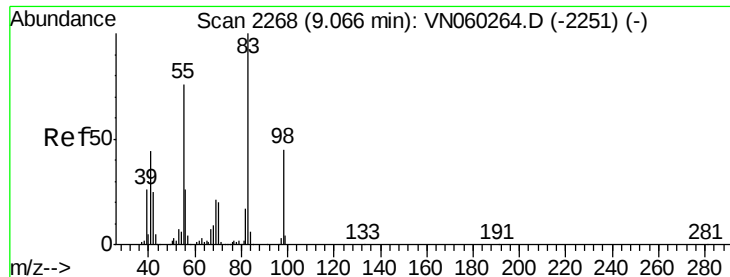
MMDadoda
3/2/2020 11:00:43 AM



#38
Carbon Tetrachloride
Concen: 50.063 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.7	115.1
121	29.6	24.5	36.7





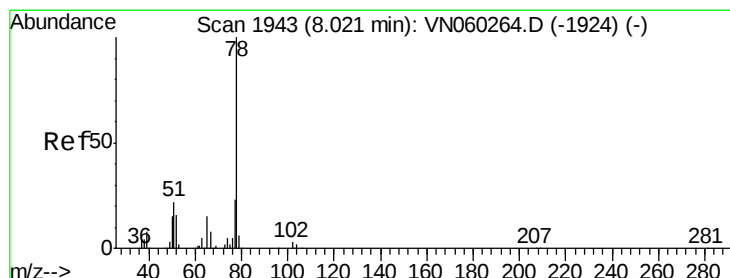
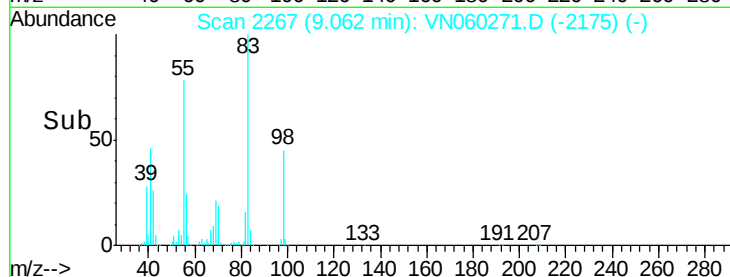
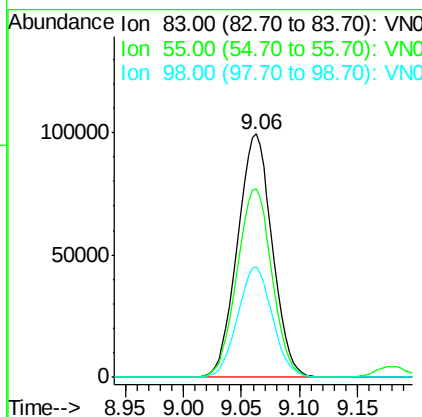
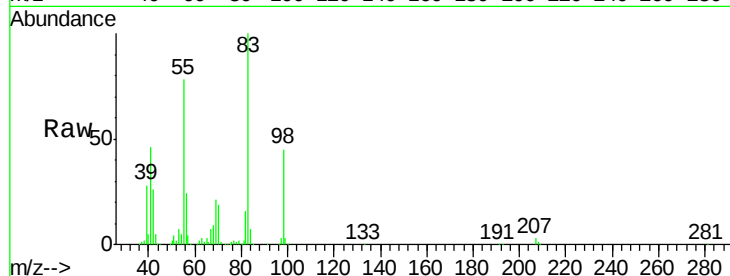
#39
Methvlcvclohexane
Concen: 49.210 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	61.0	91.4
98	45.4	36.1	54.1

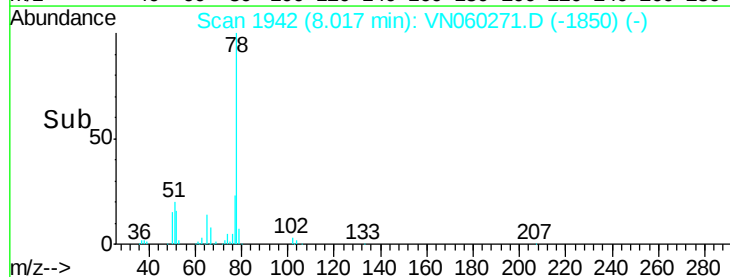
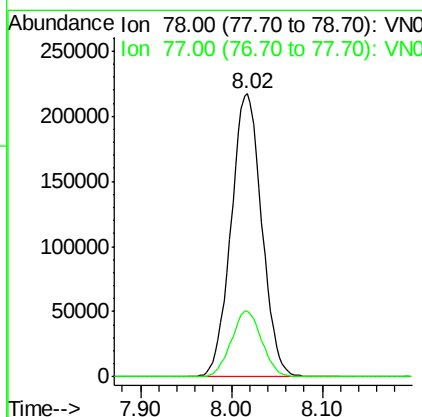
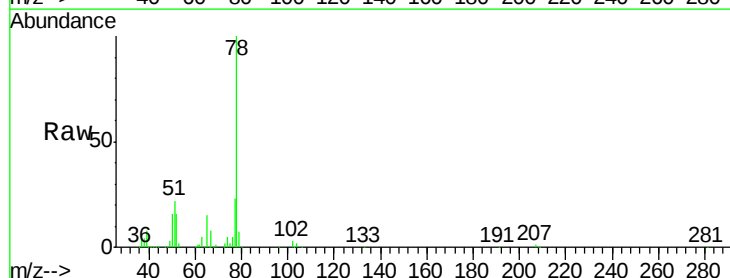
Manual Integrations
APPROVED

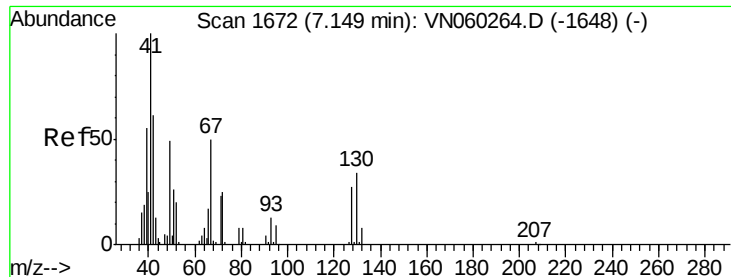
MMDadoda
3/2/2020 11:00:43 AM



#40
Benzene
Concen: 48.878 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





#41

Methacrylonitrile

Concen: 48.323 ug/l m

RT: 7.14 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

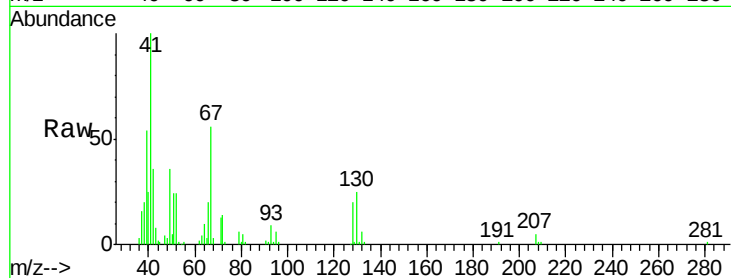
ClientSampled :

VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:43 AM



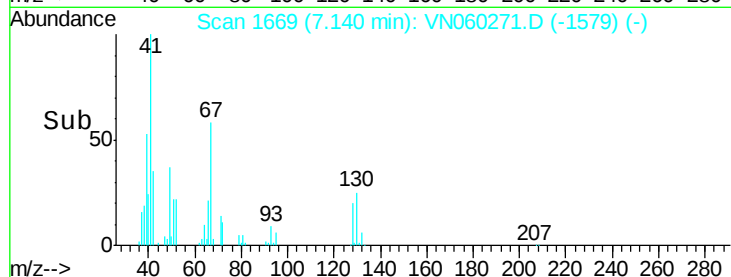
Abundance Ion 41.00 (40.70 to 41.70): VN060271.D (-1579) (-)

Ion 39.00 (38.70 to 39.70): VN060271.D (-1579) (-)

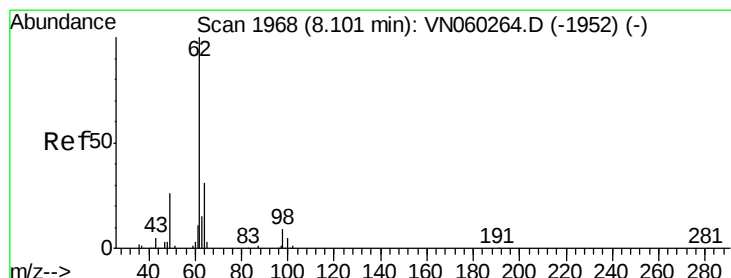
Ion 67.00 (66.70 to 67.70): VN060271.D (-1579) (-)

Ion 52.00 (51.70 to 52.70): VN060271.D (-1579) (-)

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 49.127 ug/l

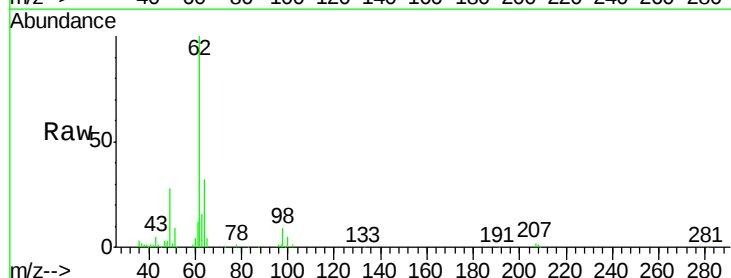
RT: 8.10 min Scan# 1967

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

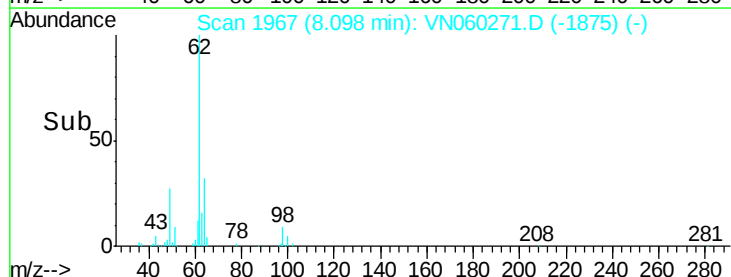
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



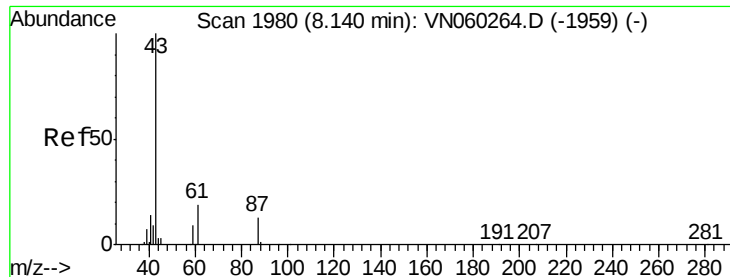
Abundance Ion 61.90 (61.60 to 62.60): VN060271.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN060271.D (-1875) (-)

Time-->



Time-->



#43

Isopropyl Acetate

Concen: 49.144 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

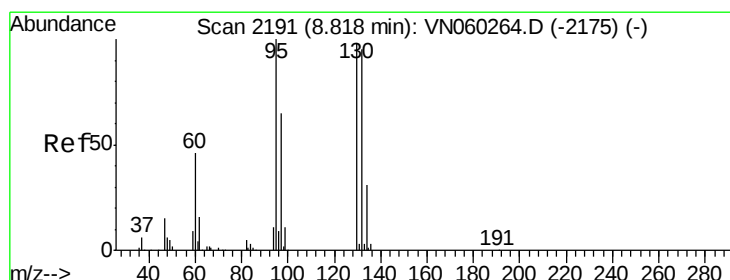
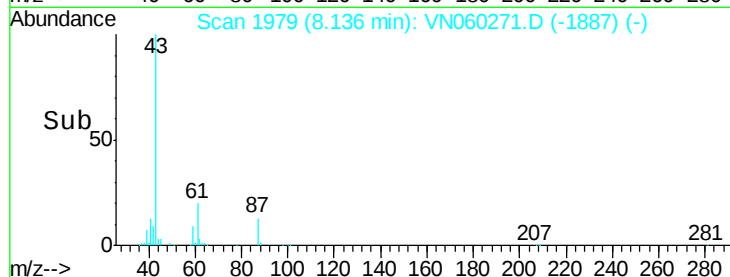
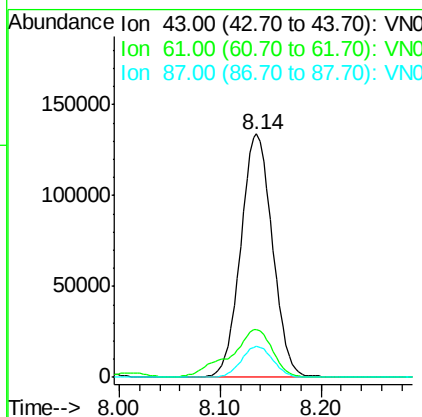
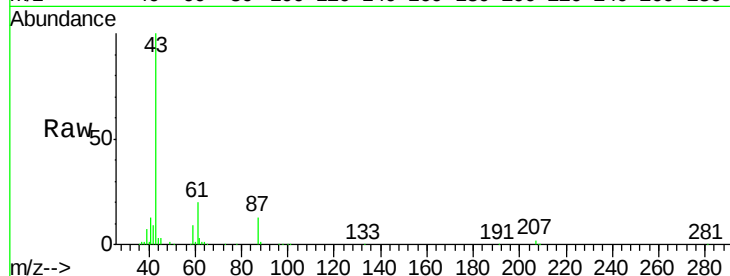
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	291037
Ion Ratio		Lower	Upper
43	100		
61	26.4	20.9	31.3
87	12.8	10.6	16.0

Manual Integrations
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3/2/2020 11:00:43 AM



#44

Trichloroethene

Concen: 48.184 ug/l

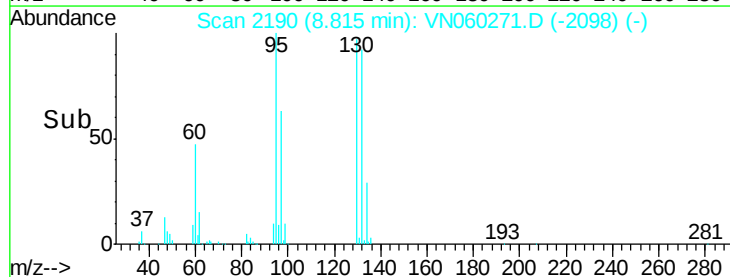
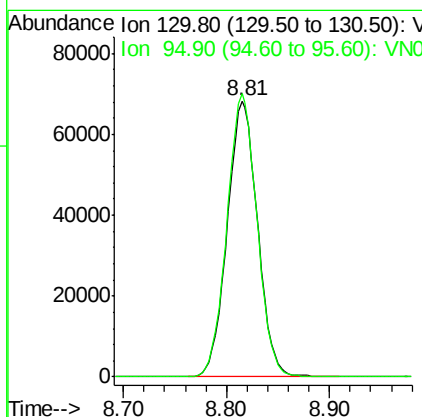
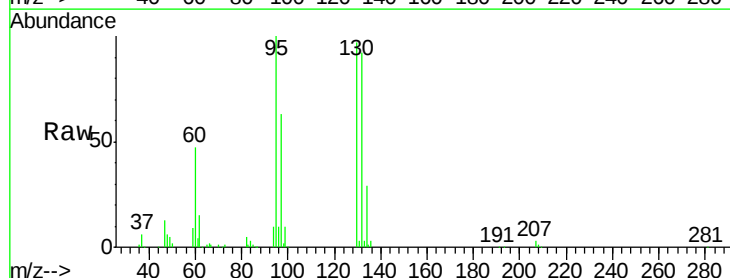
RT: 8.81 min Scan# 2190

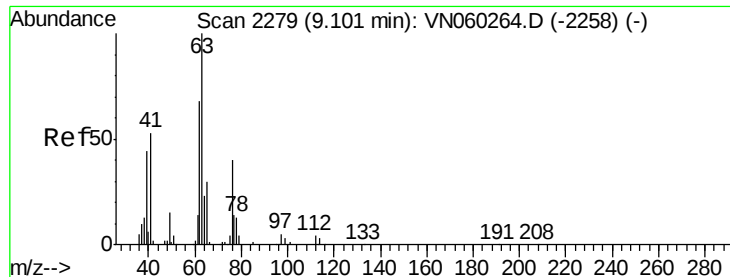
Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	130	Resp:	139540
Ion Ratio		Lower	Upper
130	100		
95	102.7	0.0	203.4





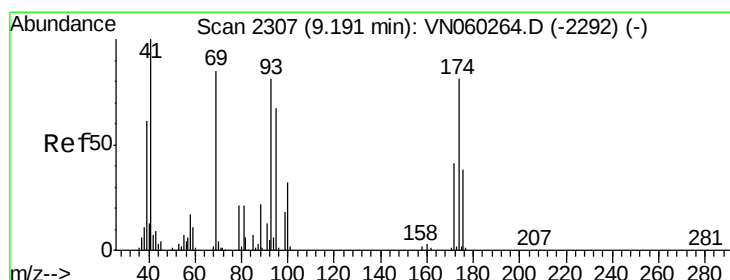
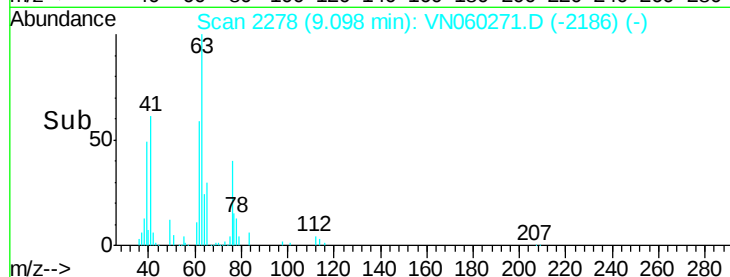
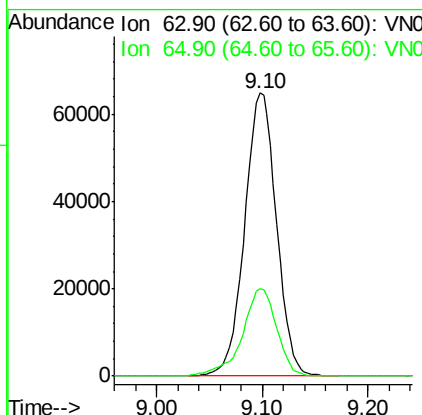
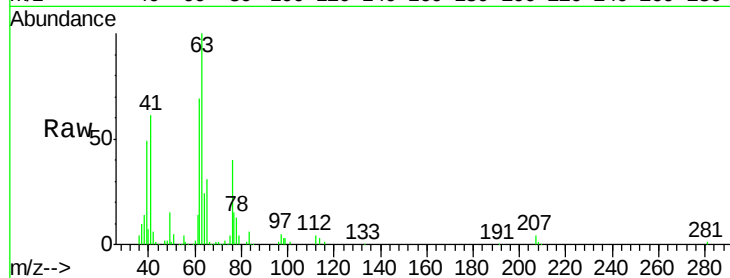
#45
 1,2-Dichloropropane
 Concen: 49.998 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.4	36.6

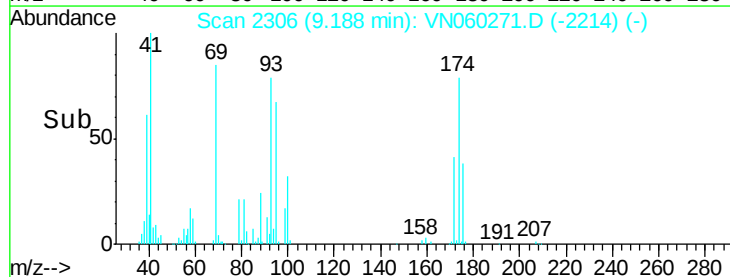
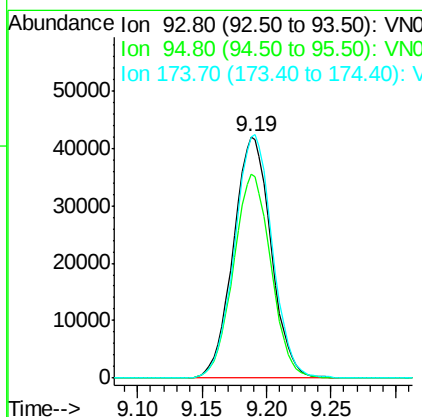
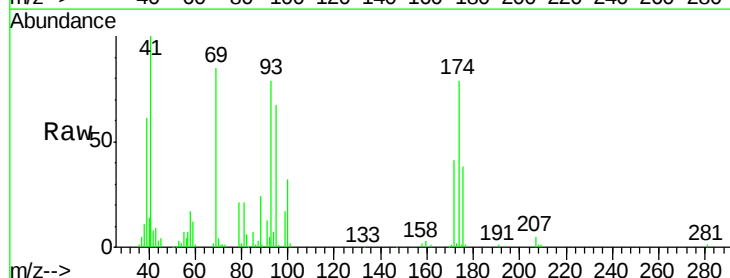
Manual Integrations
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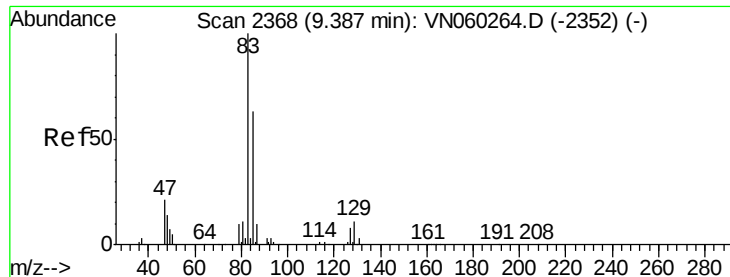
MMDadoda
 3/2/2020 11:00:43 AM



#46
 Dibromomethane
 Concen: 48.396 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	65.9	98.9
174	100.8	79.6	119.4





#47

Bromodichloromethane

Concen: 50.739 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

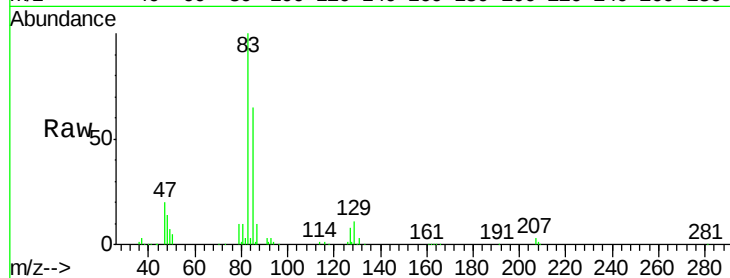
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	182038
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.7	76.1
127	8.4	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:43 AM



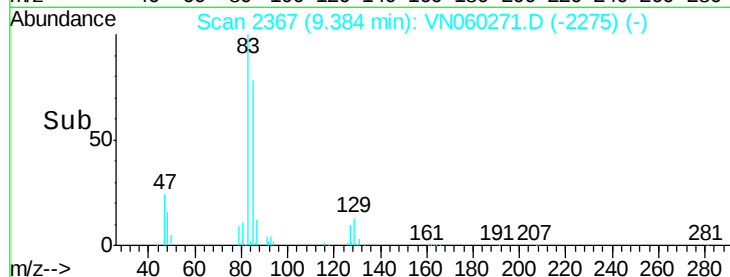
Abundance Ion 82.90 (82.60 to 83.60): VN060271.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060271.D (-2275) (-)

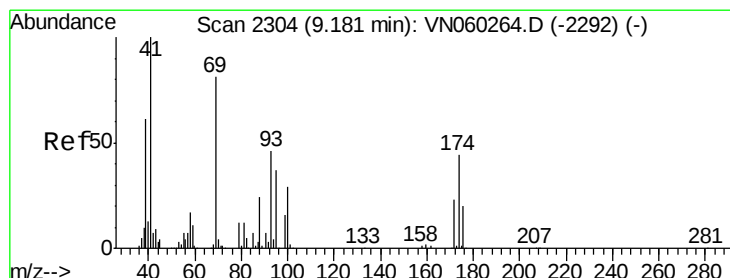
Ion 126.80 (126.50 to 127.50): VN060271.D (-2275) (-)

9.38

Time-->



Time-->



#48

Methyl methacrylate

Concen: 48.169 ug/l

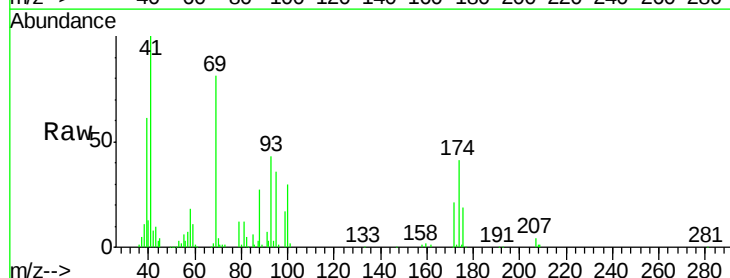
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	41	Resp:	130084
Ion Ratio	Lower	Upper	
41	100		
69	84.1	66.7	100.1
39	63.3	50.1	75.1



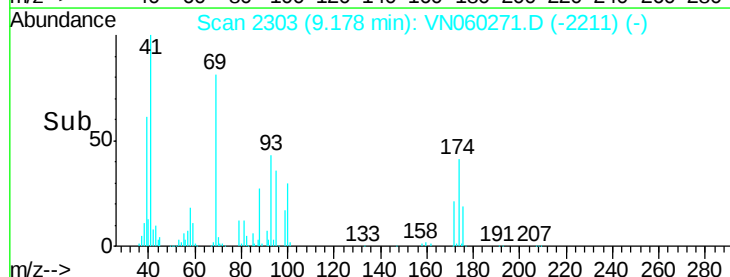
Abundance Ion 41.00 (40.70 to 41.70): VN060271.D (-2211) (-)

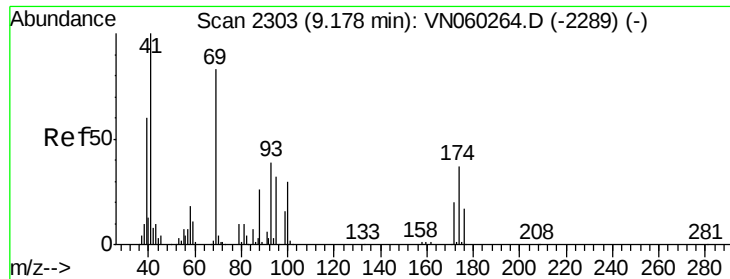
Ion 69.00 (68.70 to 69.70): VN060271.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060271.D (-2211) (-)

9.18

Time-->





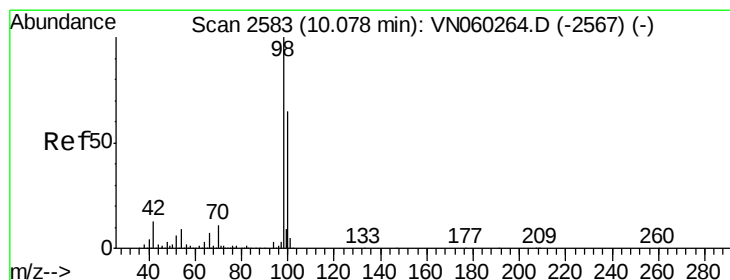
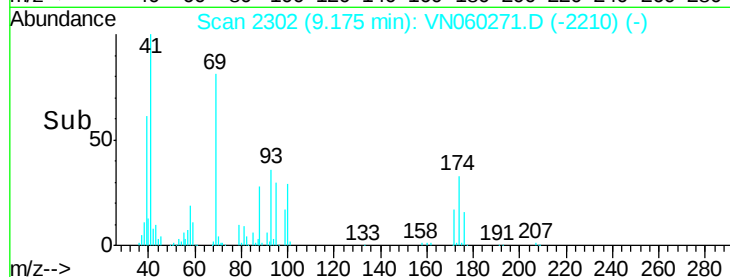
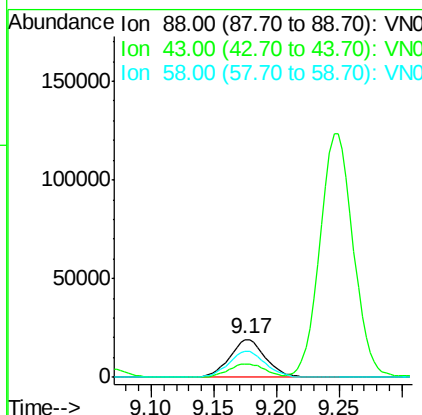
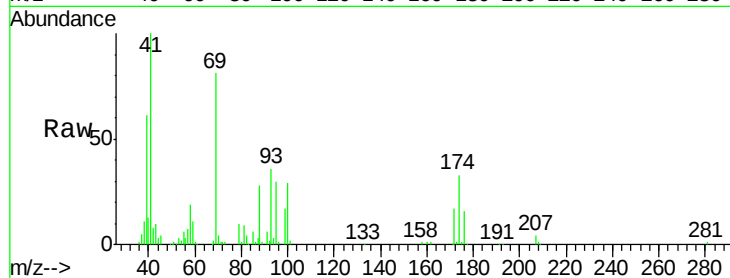
#49
1,4-Dioxane
Concen: 1001.861 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	30.4	45.6
58	70.3	57.0	85.6

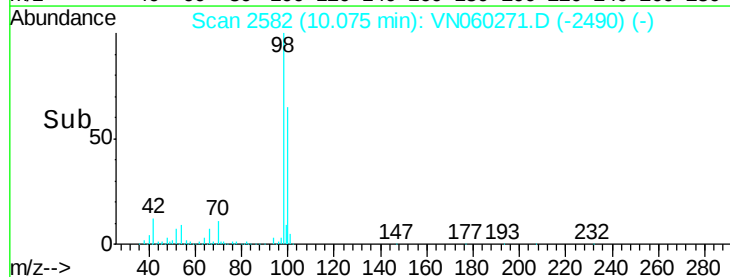
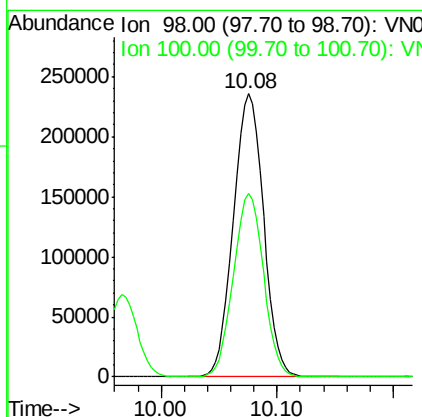
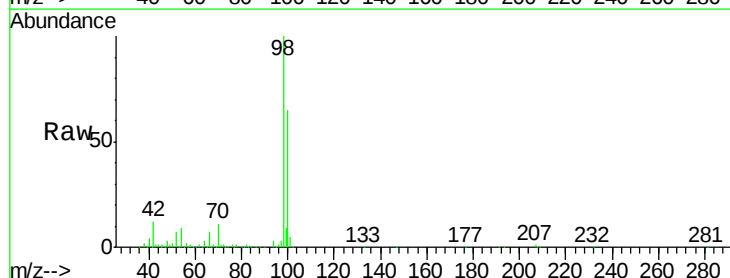
Manual Integrations
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3/2/2020 11:00:43 AM



#50
Toluene-d8
Concen: 48.254 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 247.858 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 832242

Ion Ratio Lower Upper

43 100

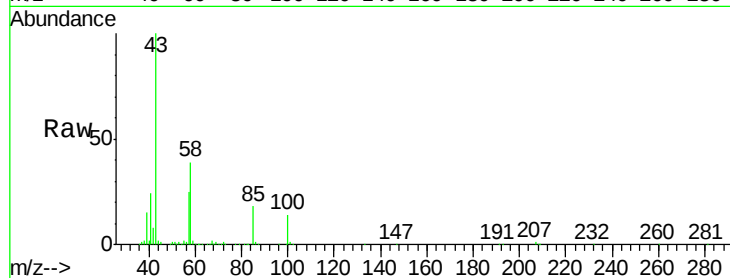
58 38.7 30.9 46.3

Manual Integrations

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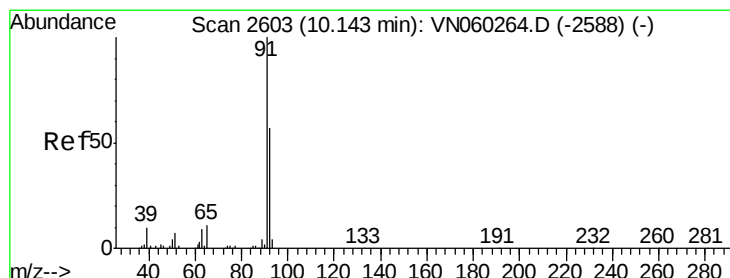
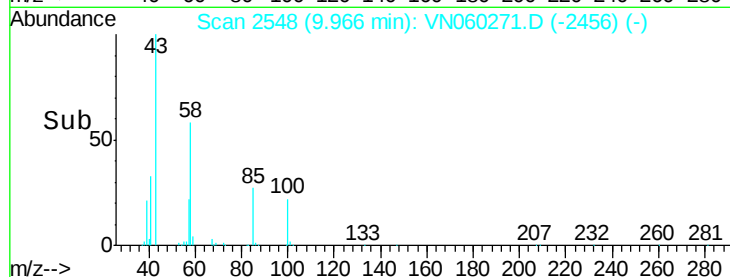
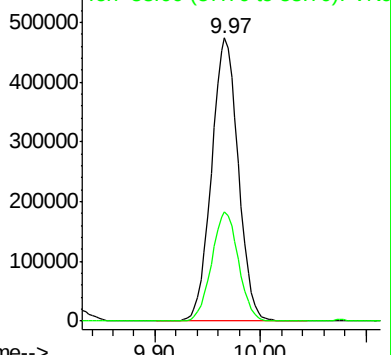
MMDadoda

3/2/2020 11:00:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.148 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060271.D

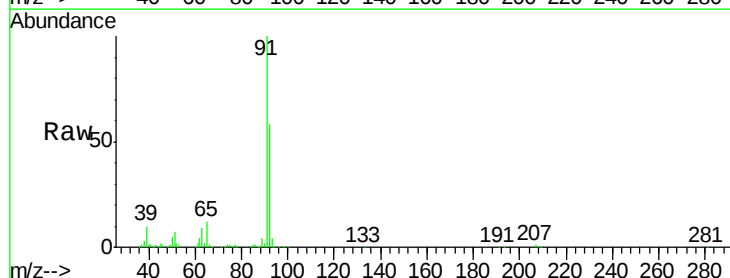
Acq: 28 Feb 2020 9:29

Tgt Ion: 92 Resp: 321025

Ion Ratio Lower Upper

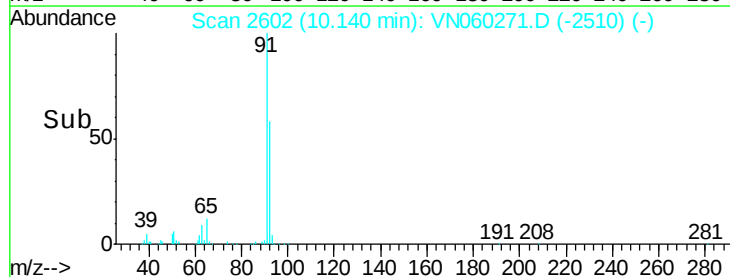
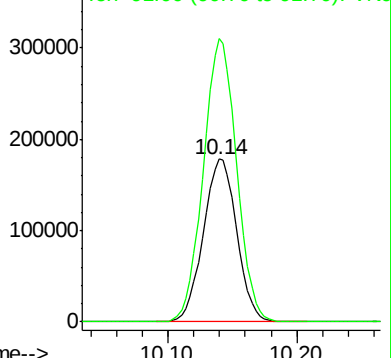
92 100

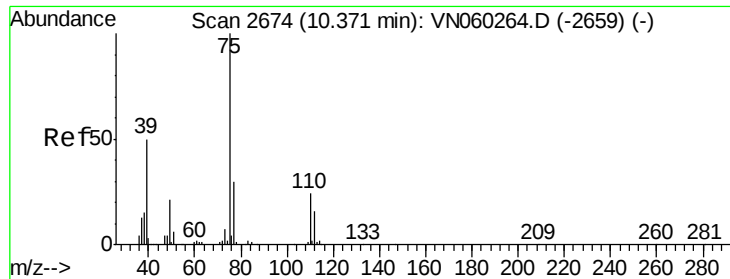
91 172.9 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





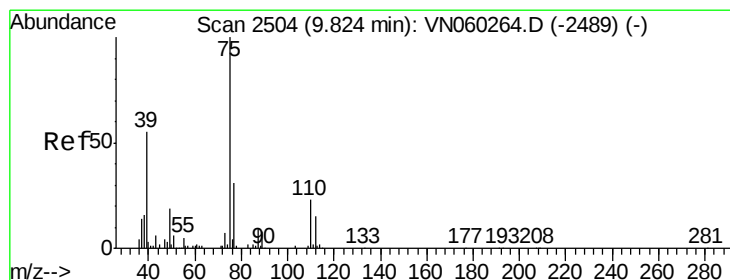
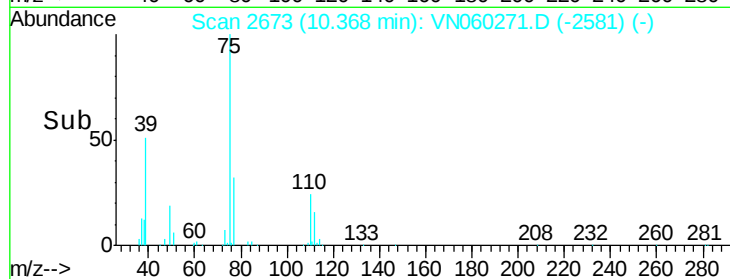
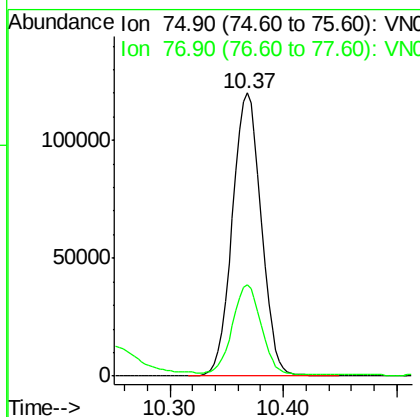
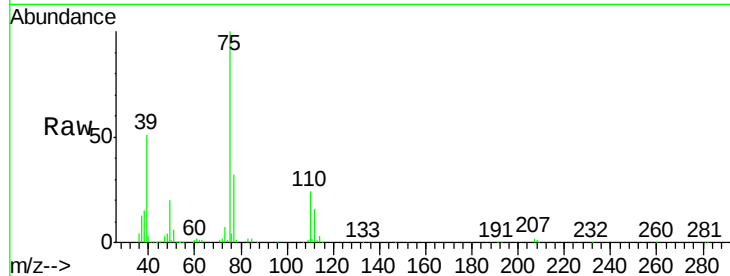
#53
t-1,3-Dichloropropene
Concen: 48.666 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2

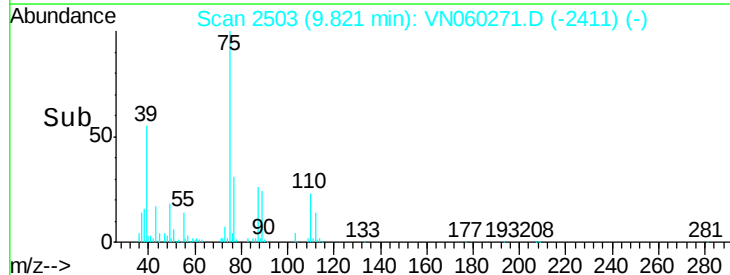
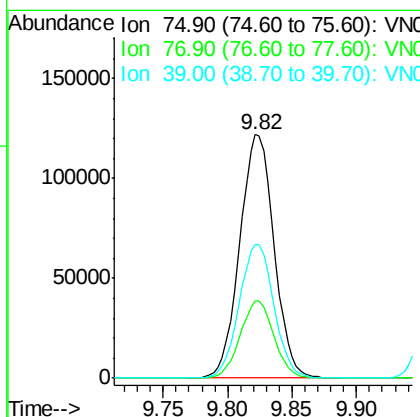
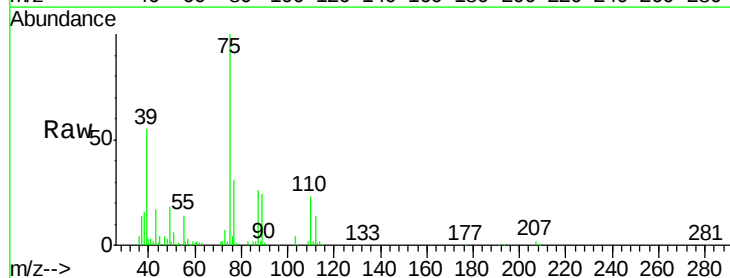
Manual Integrations
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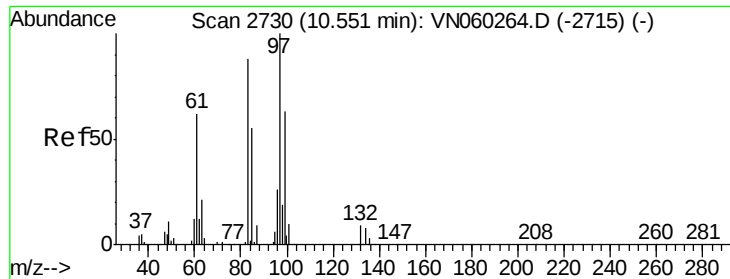
MMDadoda
3/2/2020 11:00:43 AM



#54
cis-1,3-Dichloropropene
Concen: 49.660 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2
39	55.1	43.8	65.8





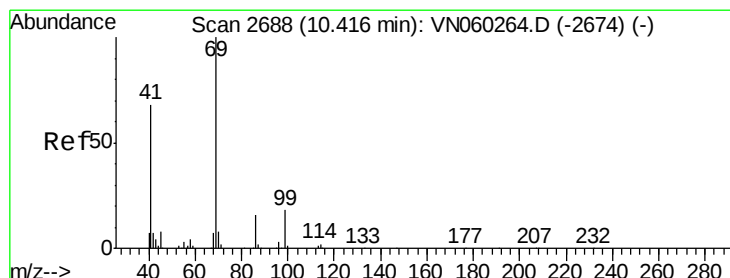
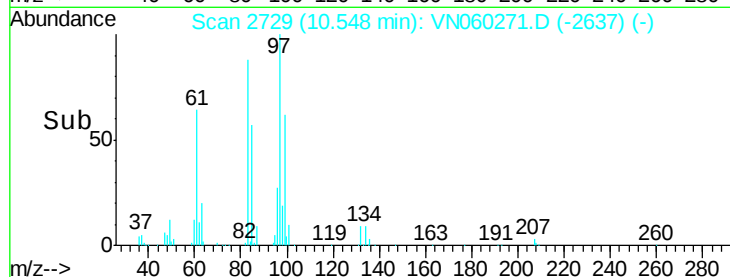
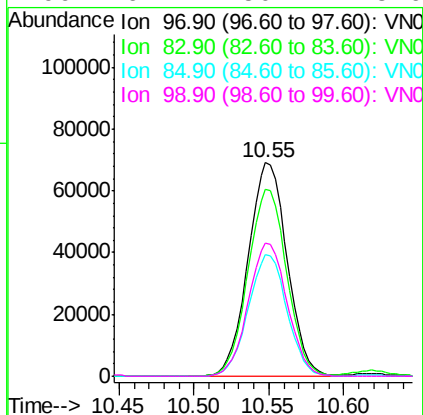
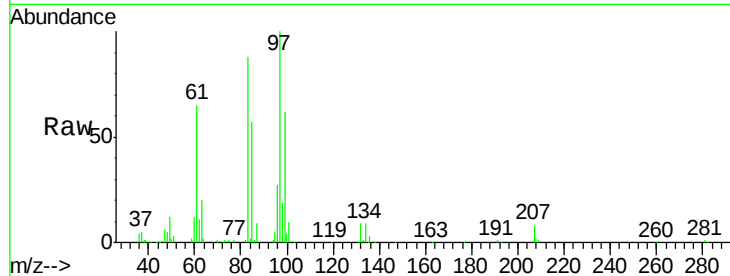
#55
 1,1,2-Trichloroethane
 Concen: 47.784 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	125513
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.0	105.0
85	56.7	44.0	66.0
99	62.1	50.4	75.6

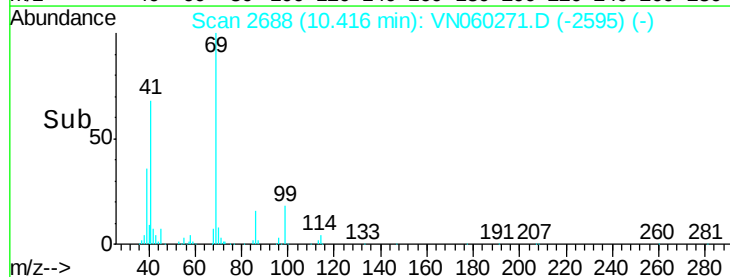
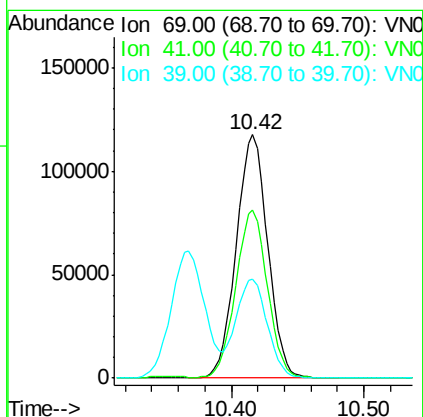
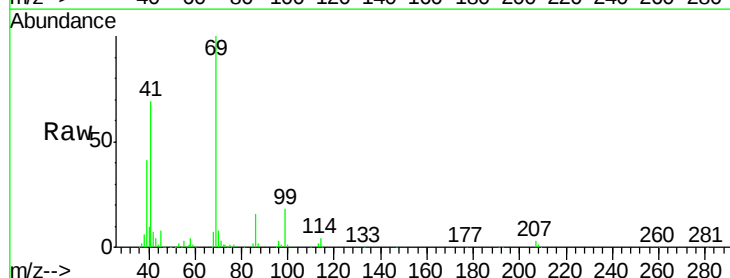
Manual Integrations
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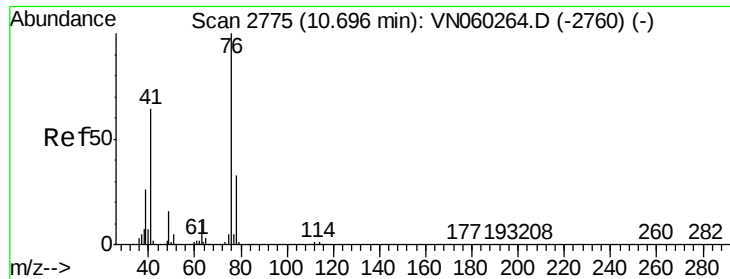
MMDadoda
 3/2/2020 11:00:43 AM



#56
 Ethyl methacrylate
 Concen: 51.358 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion:	69	Resp:	193808
Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.1	81.1
39	40.6	32.5	48.7





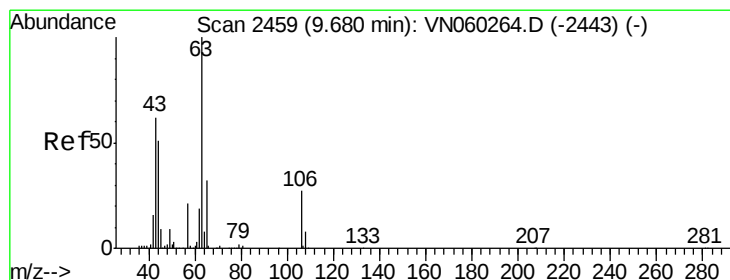
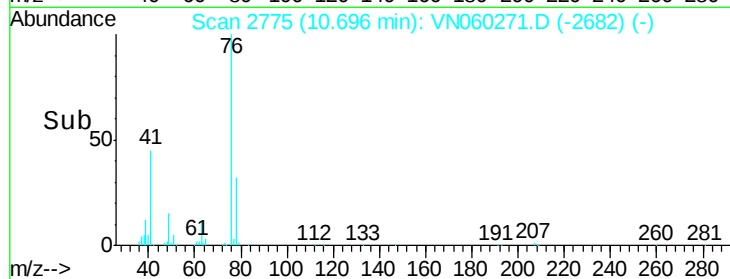
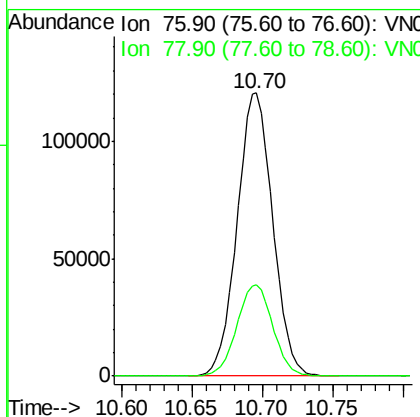
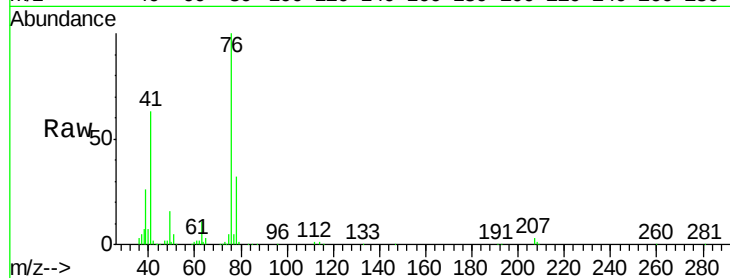
#57
 1,3-Dichloropropane
 Concen: 49.724 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.2

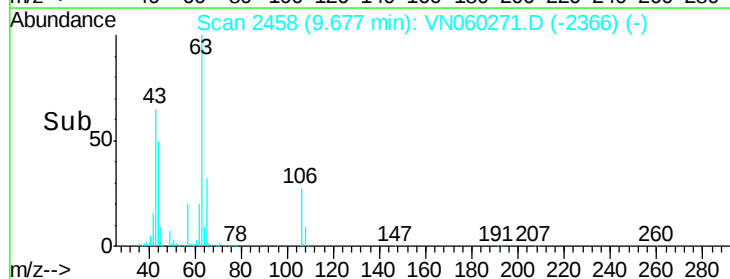
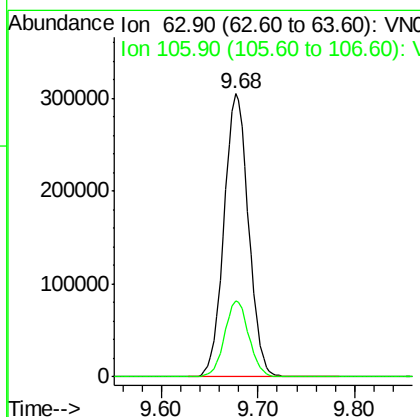
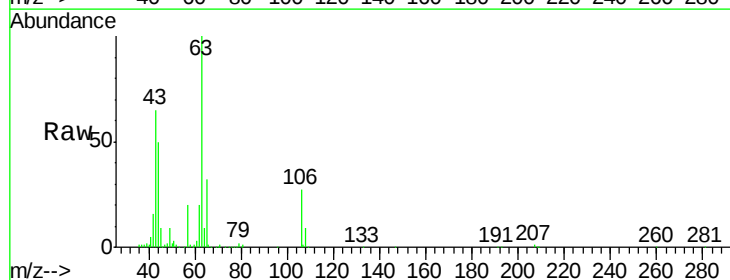
Manual Integrations
 APPROVED

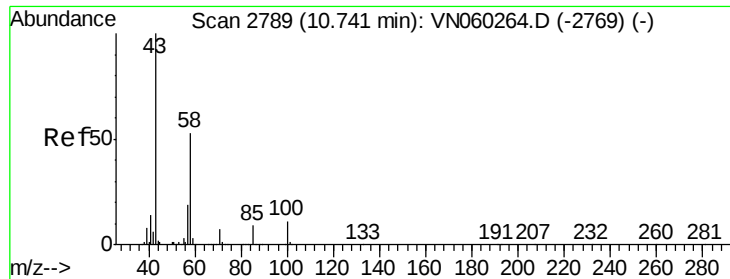
MMDadoda
 3/2/2020 11:00:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.492 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.1	31.7





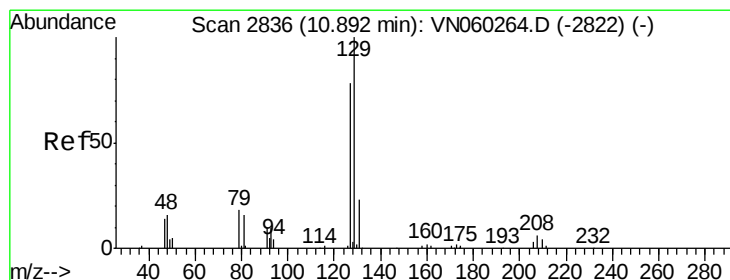
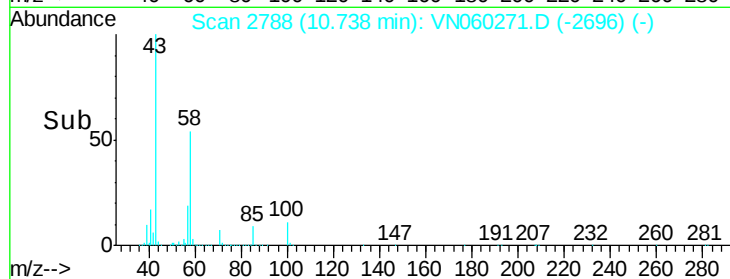
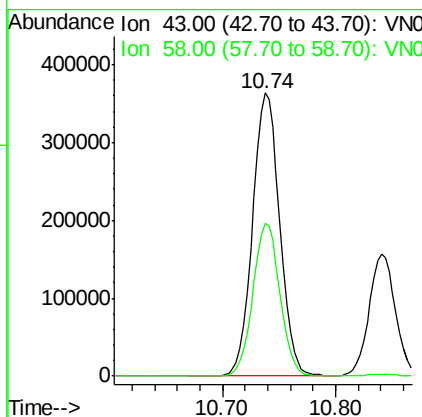
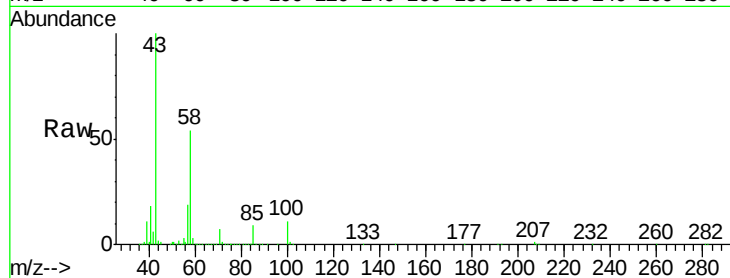
#59
2-Hexanone
Concen: 245.121 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.8	26.5	79.5

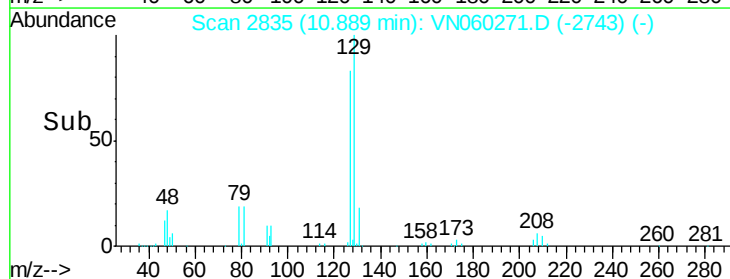
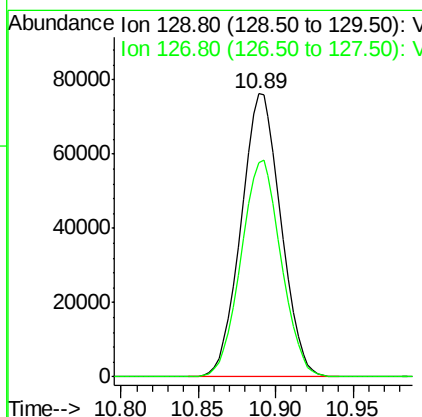
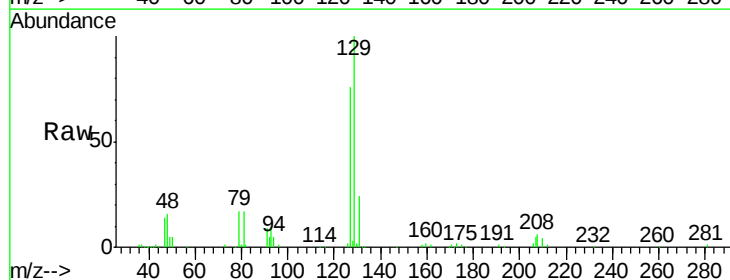
Manual Integrations
APPROVED

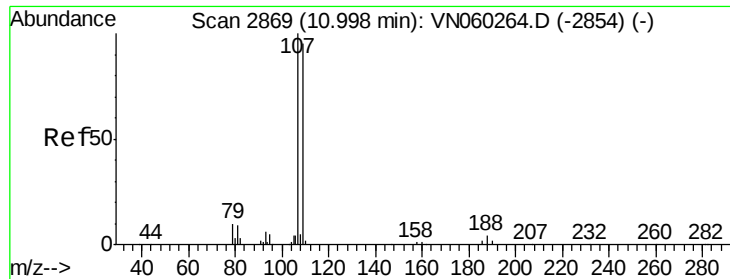
MMDadoda
3/2/2020 11:00:43 AM



#60
Dibromochloromethane
Concen: 51.189 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.9	116.7





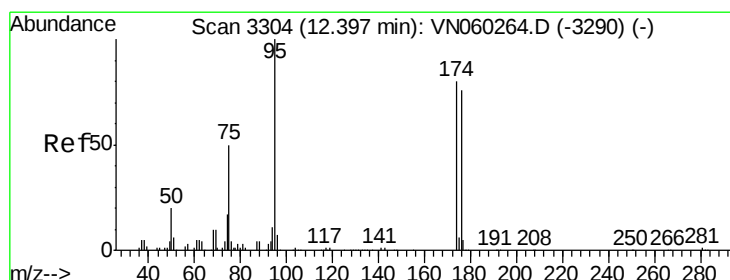
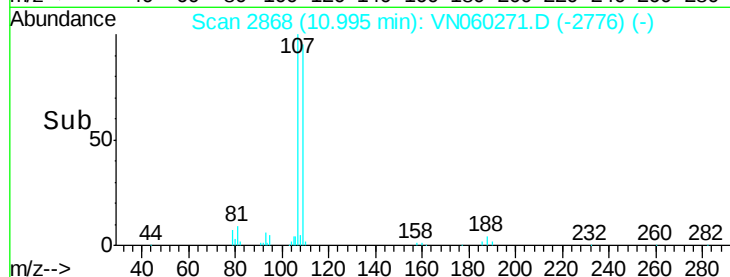
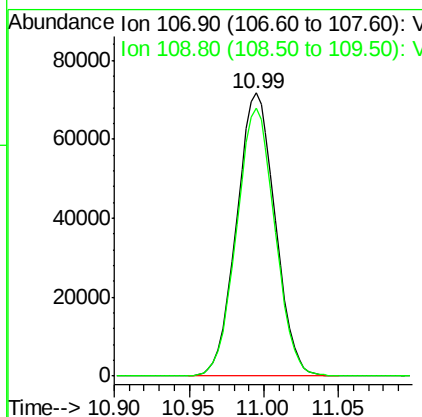
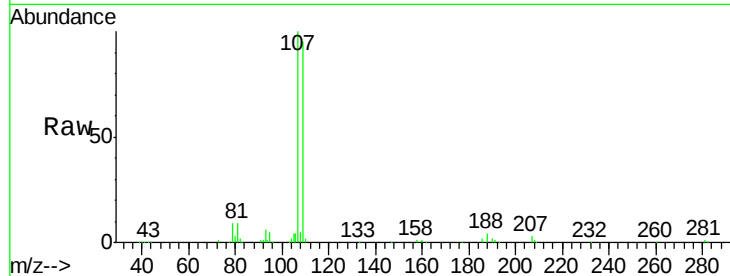
#61
 1,2-Dibromoethane
 Concen: 50.274 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	128730		
109	94.1	76.8	115.2	

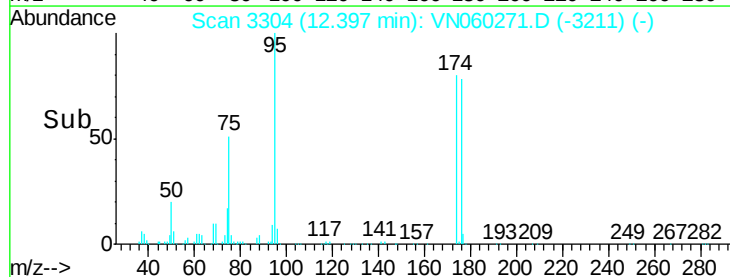
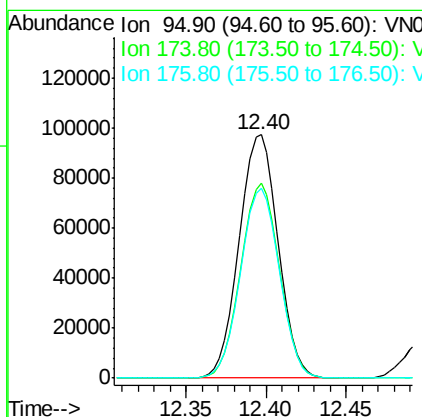
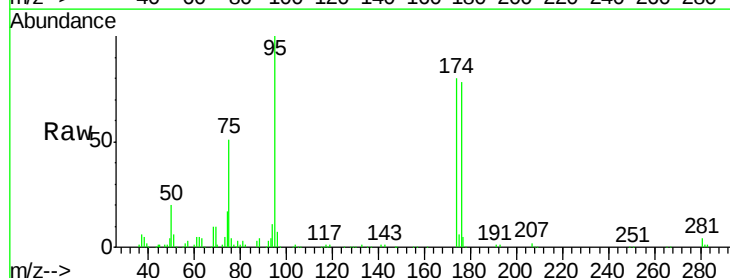
Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:00:43 AM



#62
 4-Bromofluorobenzene
 Concen: 48.422 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	161643		
174	79.5	0.0	159.2	
176	77.8	0.0	153.8	





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

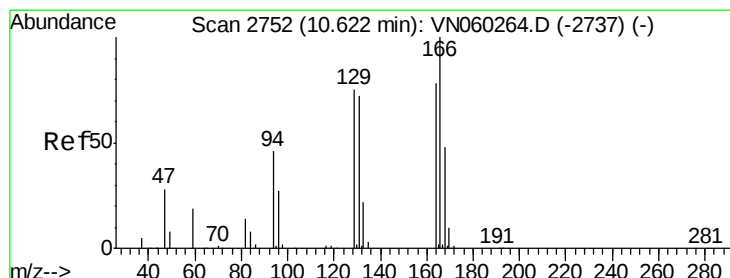
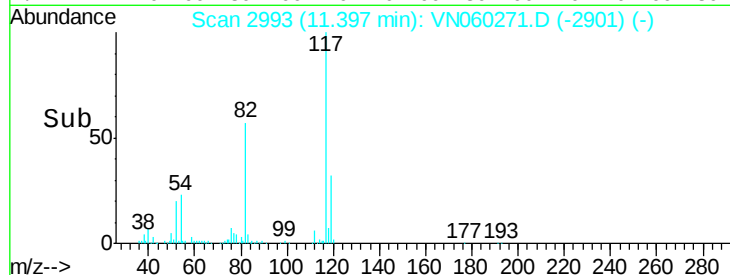
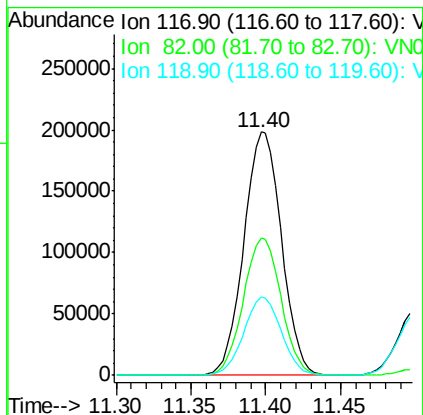
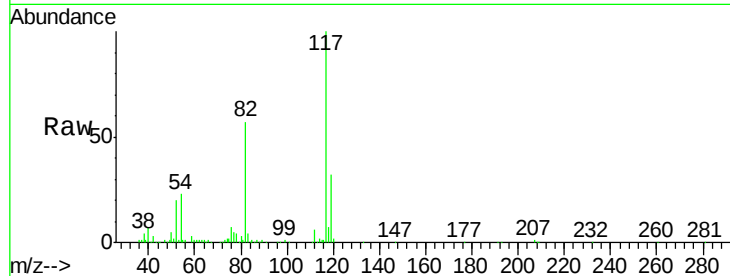
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		347531		
82	56.6	45.8	68.6		
119	32.1	25.8	38.8		

Manual Integrations
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MMDadoda
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#64

Tetrachloroethene

Concen: 52.996 ug/l

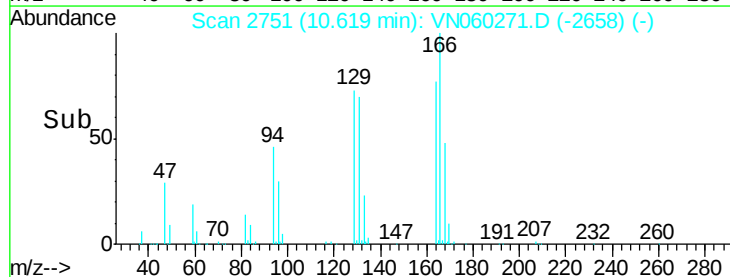
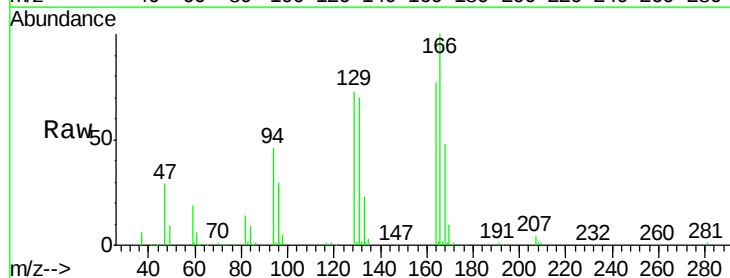
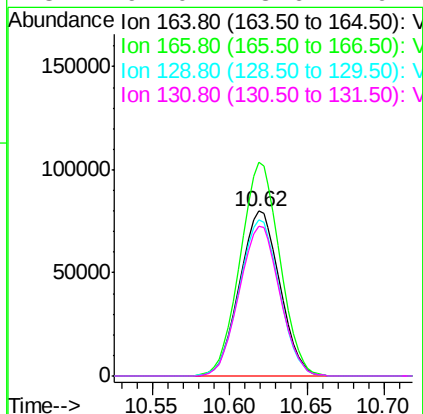
RT: 10.62 min Scan# 2751

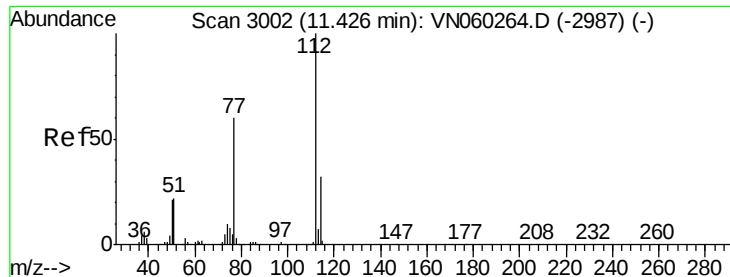
Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		144782		
166	129.4	102.0	153.0		
129	94.8	76.4	114.6		
131	91.0	73.6	110.4		





#65

Chlorobenzene

Concen: 47.968 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 336620

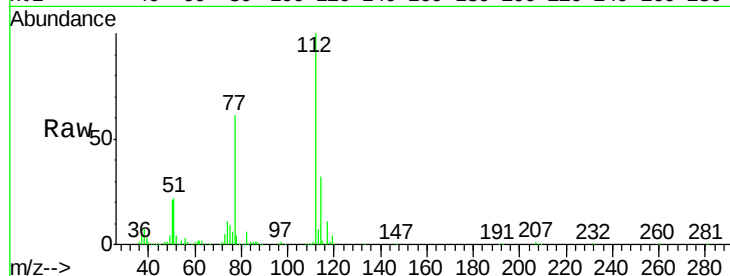
Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.0

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

Ion 113.90 (113.60 to 114.60): V

11.42

200000

150000

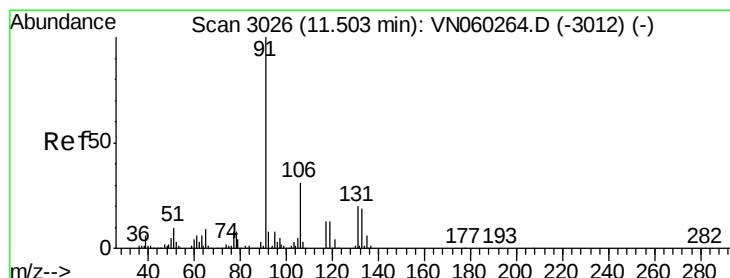
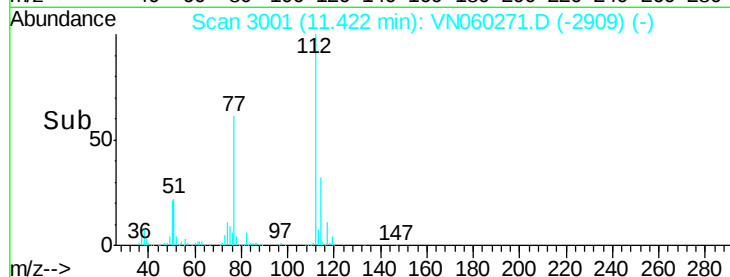
100000

50000

0

Time-->

11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 50.071 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

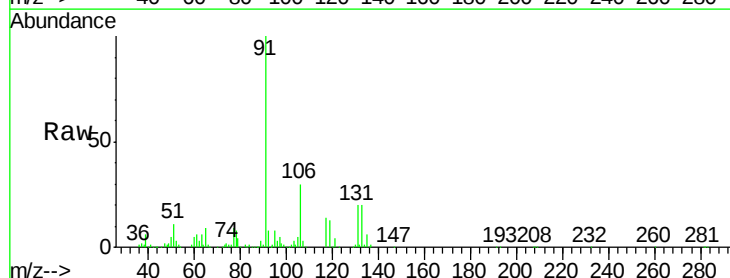
Tgt Ion:131 Resp: 129920

Ion Ratio Lower Upper

131 100

133 96.3 47.7 143.1

119 66.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

100000

80000

60000

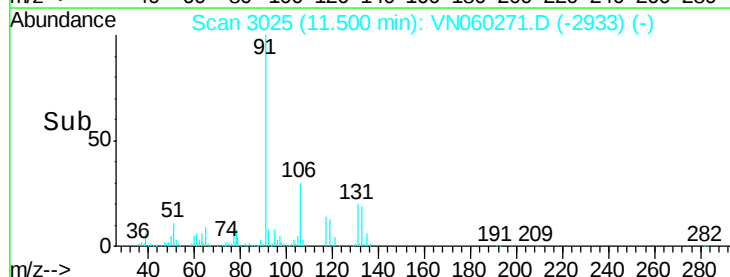
40000

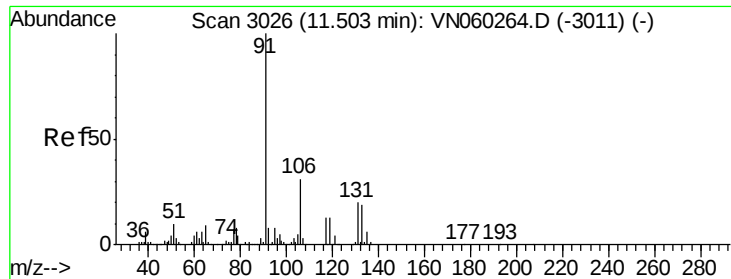
20000

0

Time-->

11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 49.317 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 630253

Ion Ratio Lower Upper

91 100

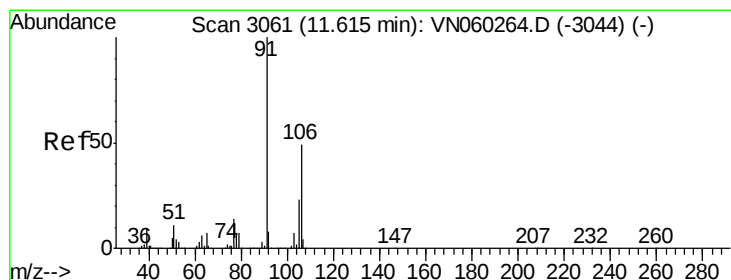
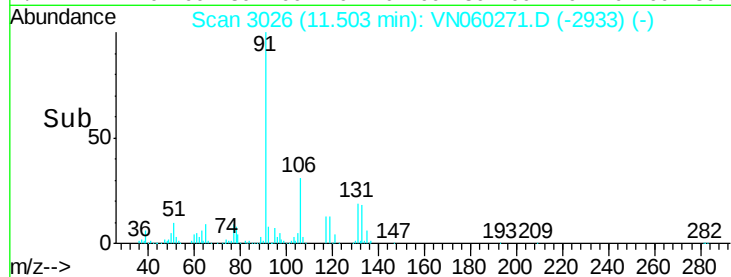
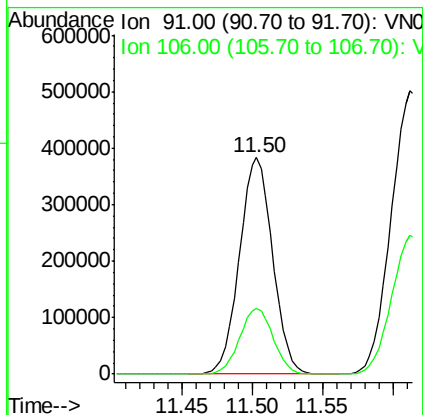
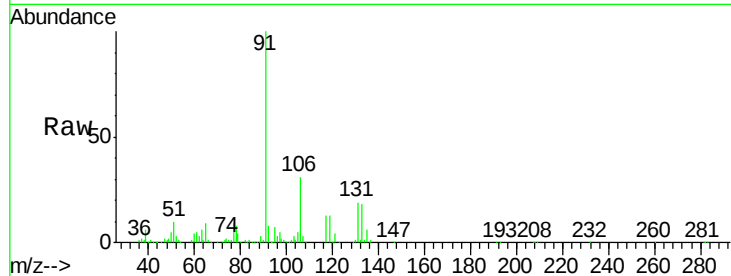
106 30.5 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 97.651 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060271.D

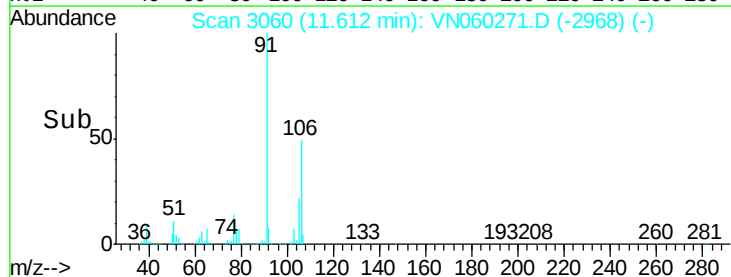
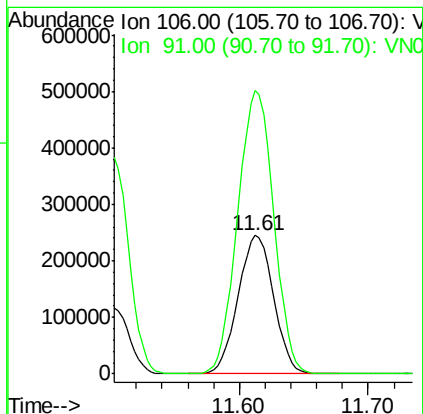
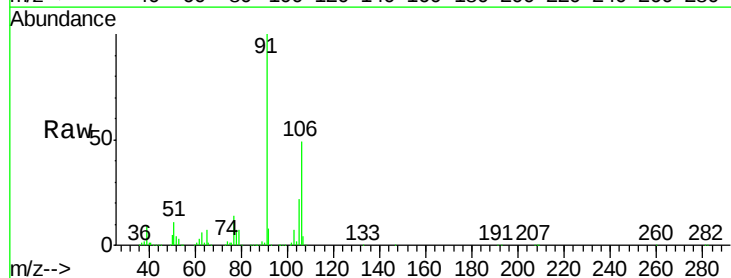
Acq: 28 Feb 2020 9:29

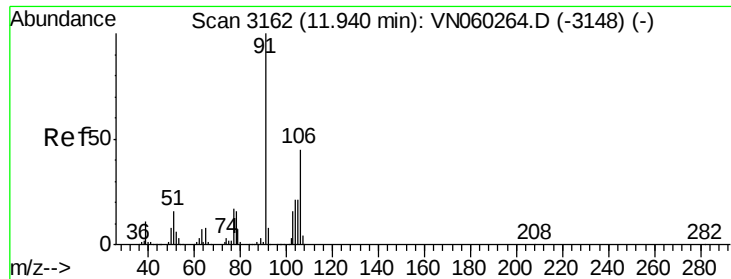
Tgt Ion: 106 Resp: 470836

Ion Ratio Lower Upper

106 100

91 206.6 164.5 246.7





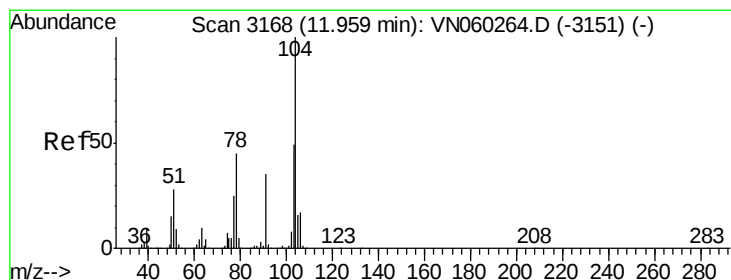
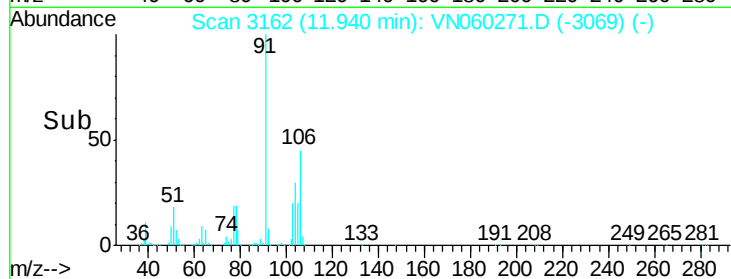
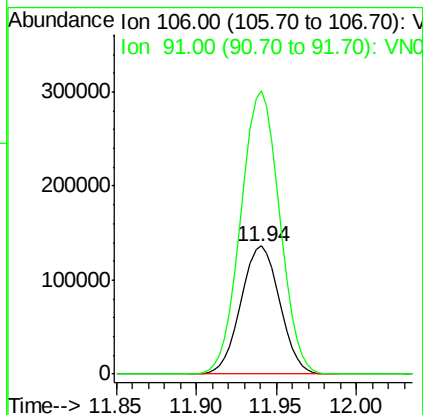
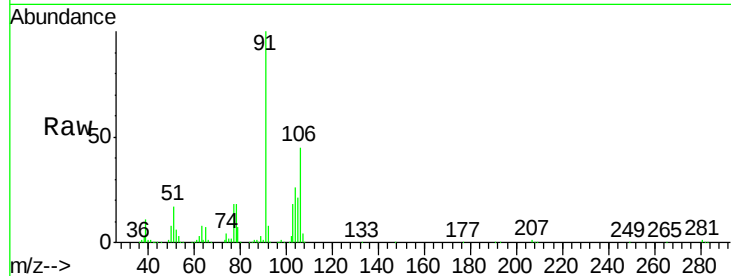
#69
o-Xylene
Concen: 49.171 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.3	109.5	328.4

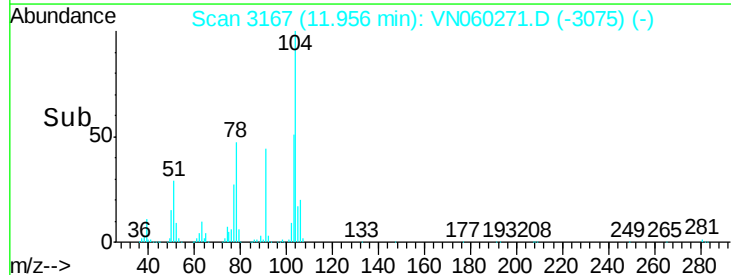
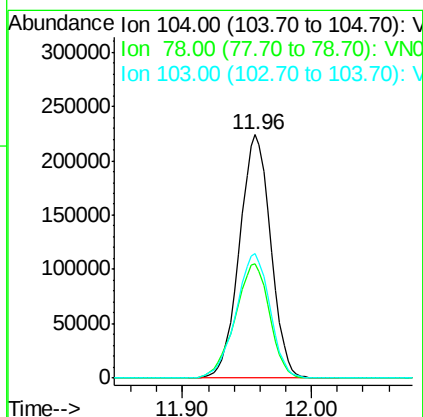
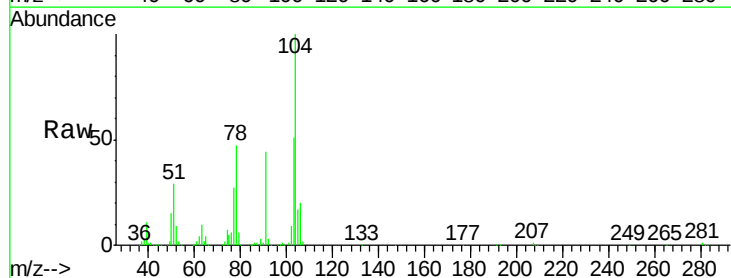
Manual Integrations
APPROVED

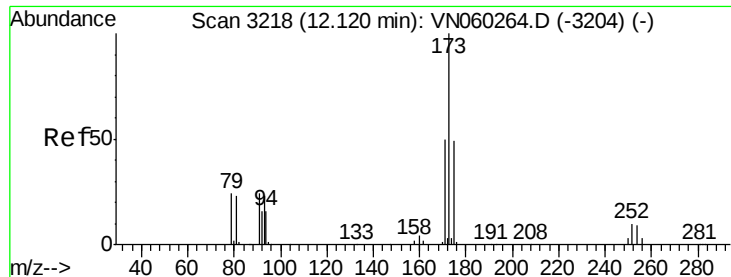
MMDadoda
3/2/2020 11:00:43 AM



#70
Styrene
Concen: 49.938 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.2	61.8
103	55.7	43.9	65.9





#71

Bromoform

Concen: 51.308 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

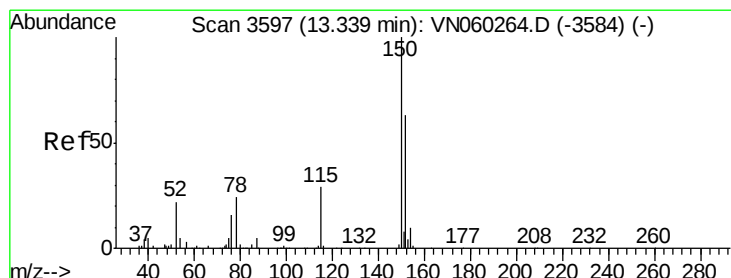
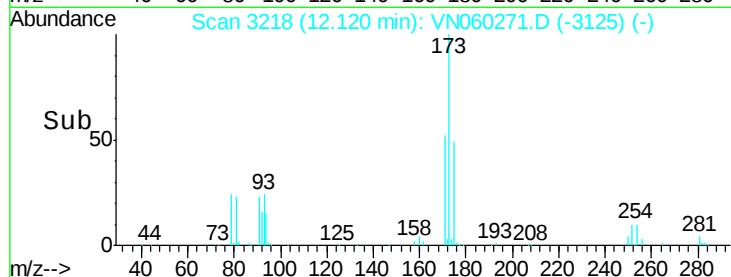
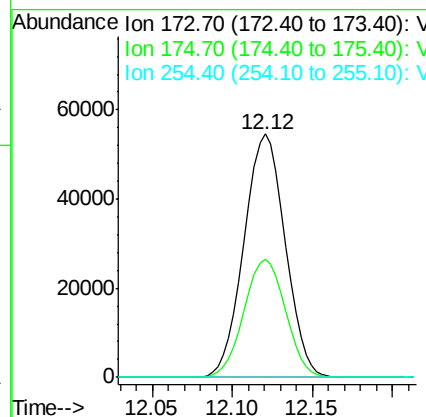
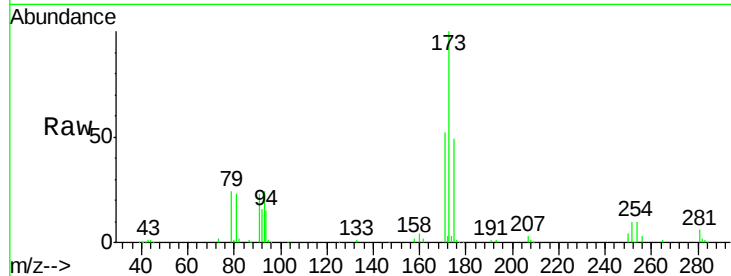
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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3/2/2020 11:00:43 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

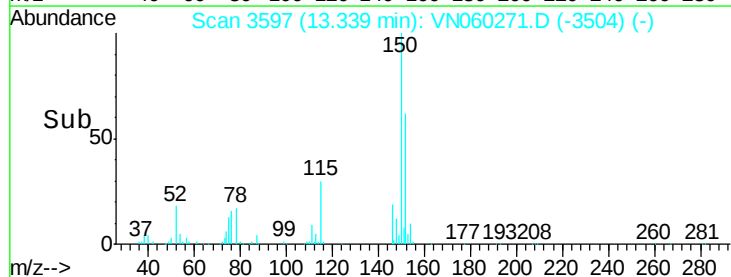
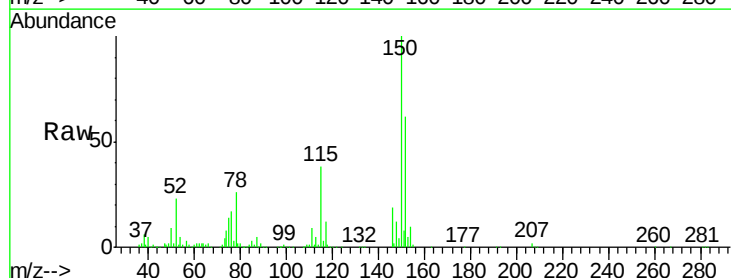
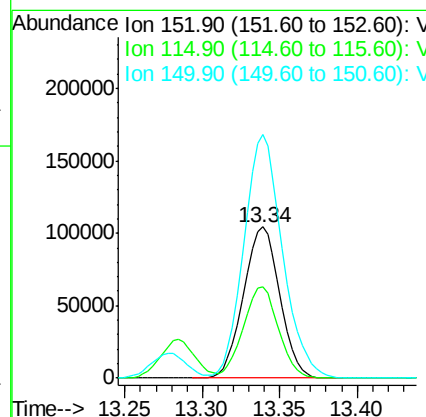
RT: 13.34 min Scan# 3597

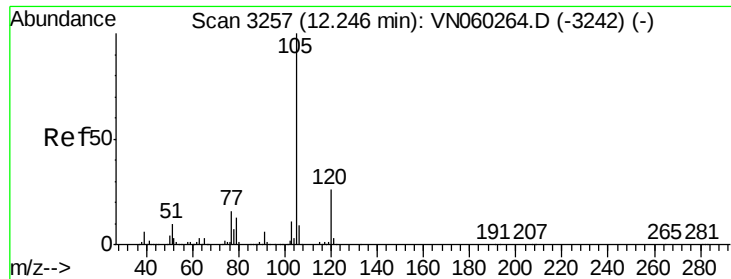
Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	30.0	90.0
150	172.2	0.0	349.6





#73

Isopropylbenzene

Concen: 49.207 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 619806

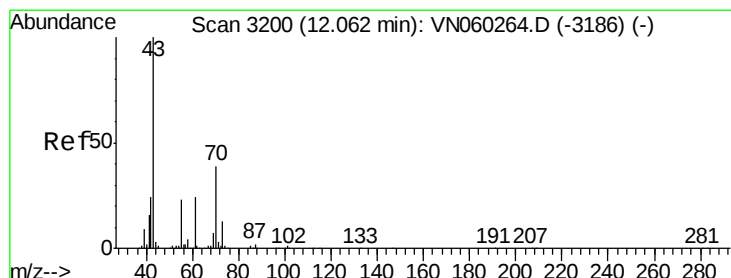
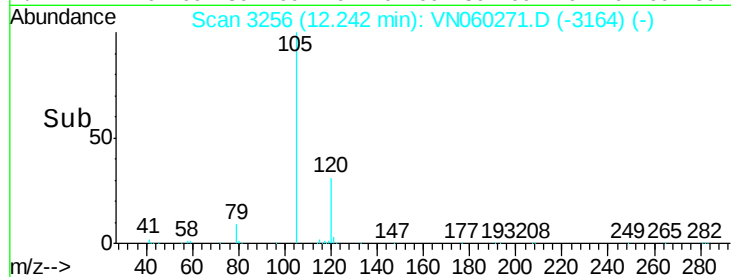
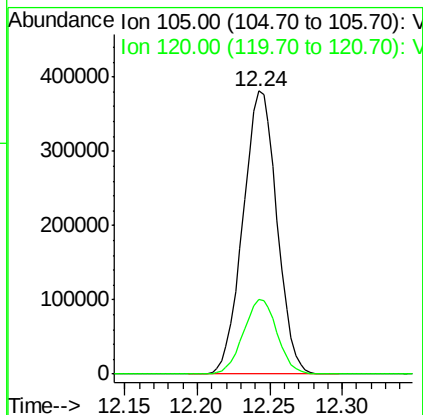
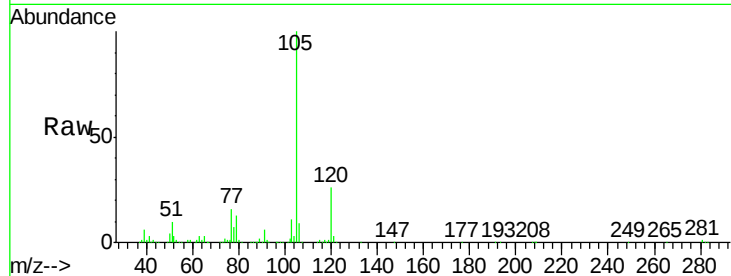
Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 47.898 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion: 43 Resp: 263639

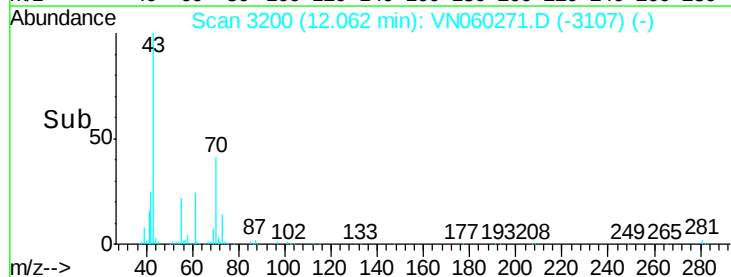
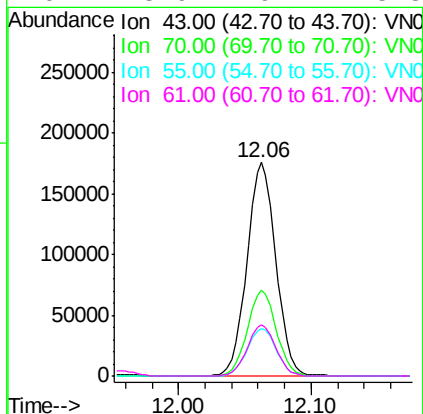
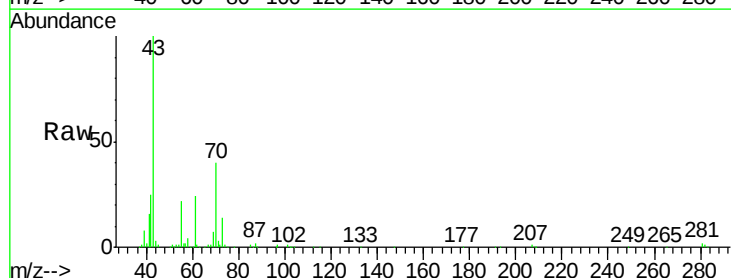
Ion Ratio Lower Upper

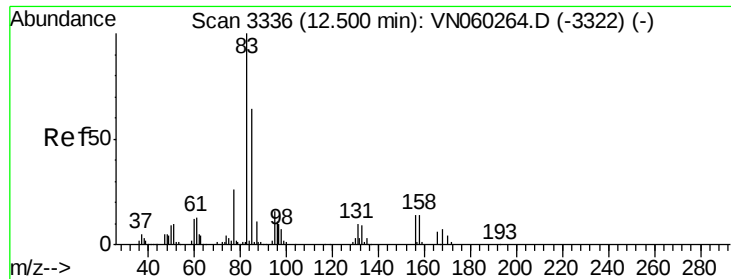
43 100

70 40.5 32.2 48.2

55 22.8 18.2 27.4

61 23.9 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.075 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

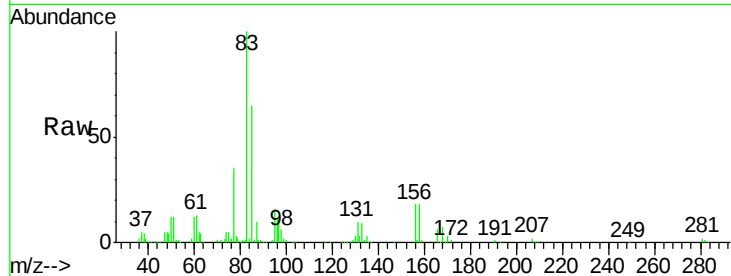
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	164603
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.5	32.3	96.8

Manual Integrations
APPROVED

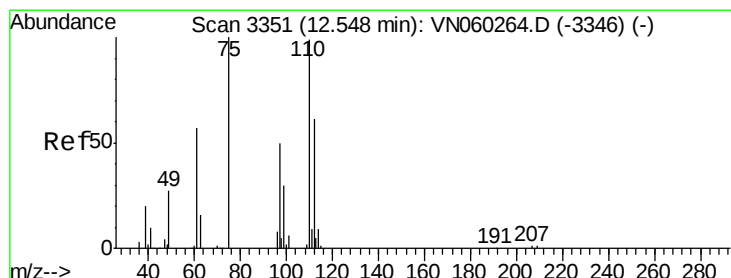
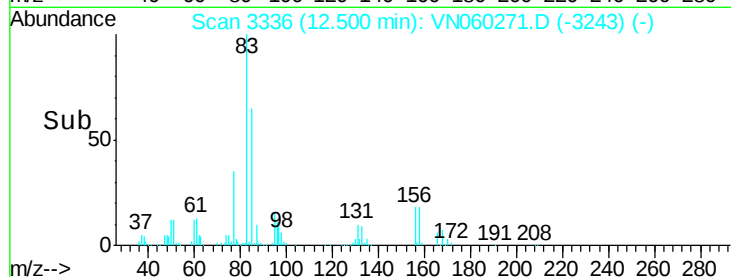
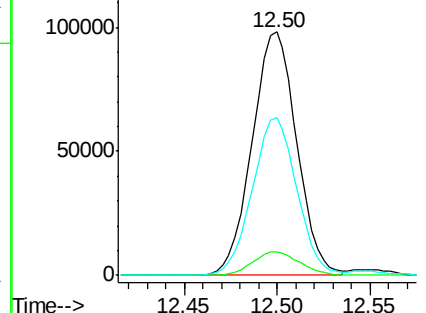
MMDadoda
3/2/2020 11:00:43 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060271.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060271.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060271.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 42.402 ug/l m

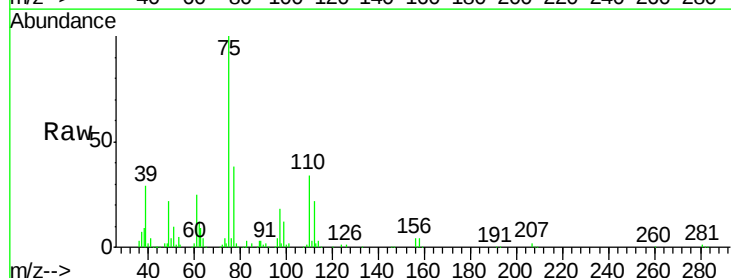
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060271.D

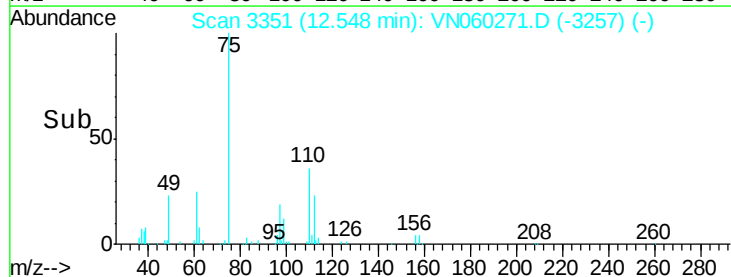
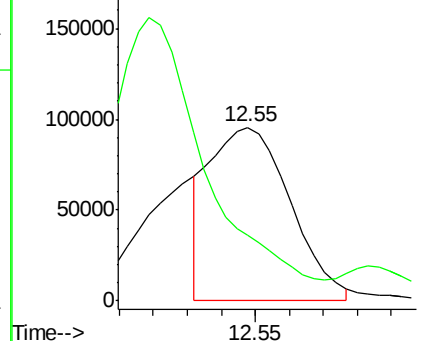
Acq: 28 Feb 2020 9:29

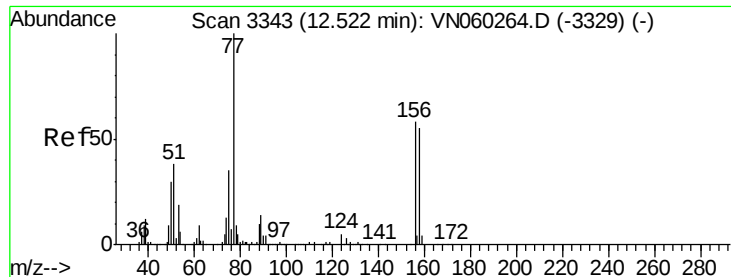
Tgt Ion:	75	Resp:	158098
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060271.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060271.D (-3257) (-)





#77

Bromobenzene

Concen: 48.507 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

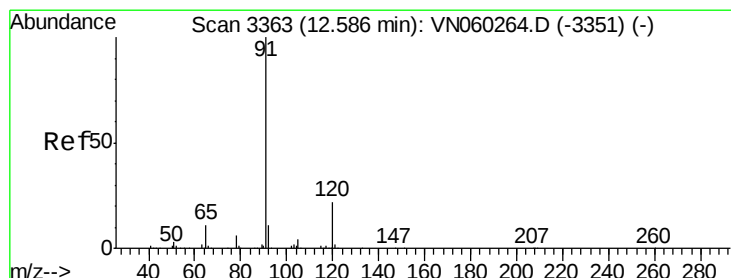
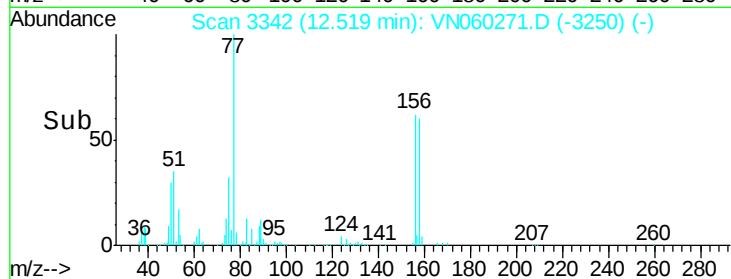
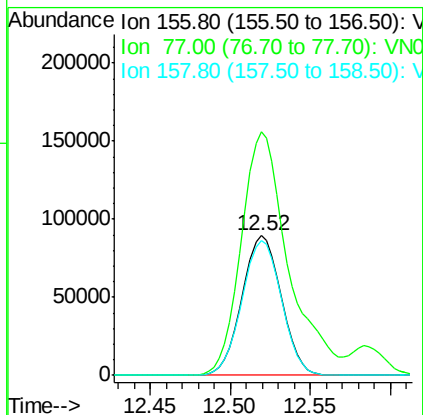
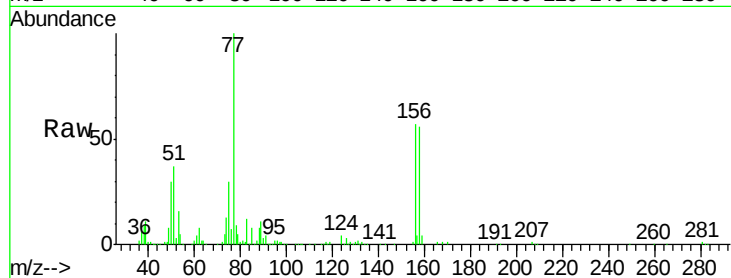
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	149771
Ion Ratio	Lower	Upper	
156	100		
77	210.5	106.1	318.3
158	96.9	48.3	144.8

Manual Integrations
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3/2/2020 11:00:43 AM



#78

n-propylbenzene

Concen: 49.042 ug/l

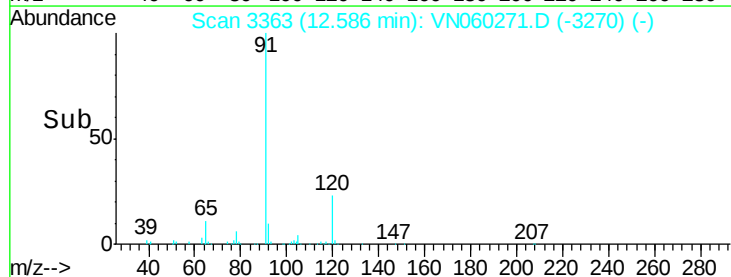
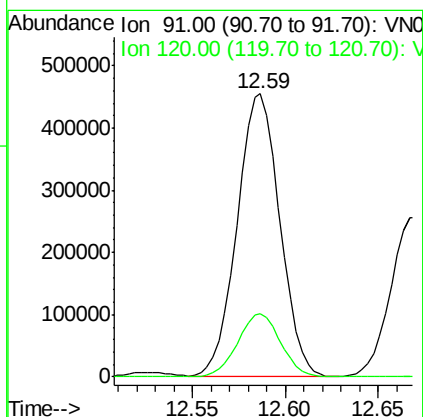
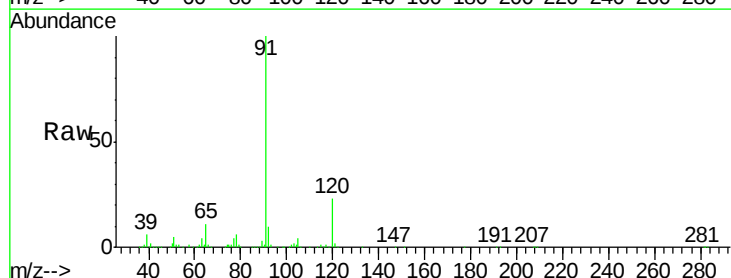
RT: 12.59 min Scan# 3363

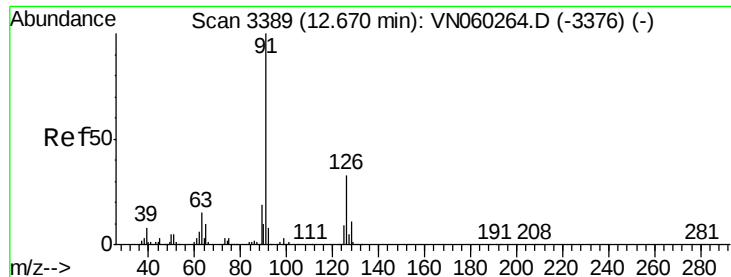
Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	91	Resp:	724100
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 48.380 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 419894

Ion Ratio Lower Upper

91 100

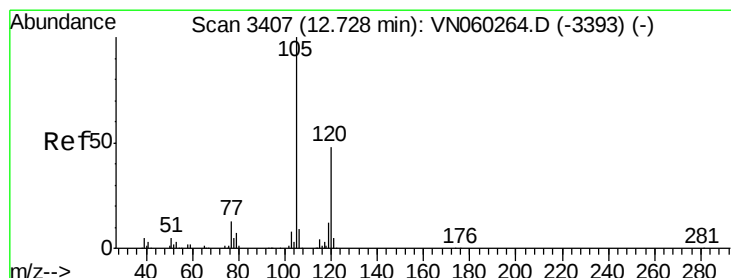
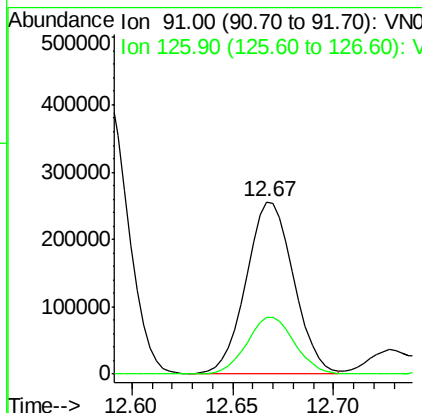
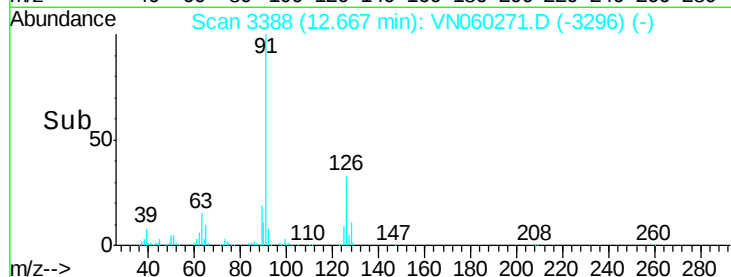
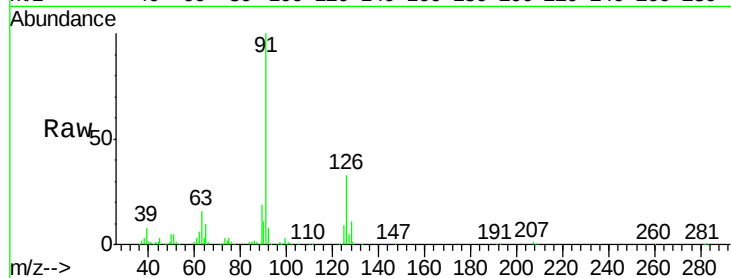
126 33.3 16.6 49.8

Manual Integrations

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3/2/2020 11:00:43 AM



#80

1,3,5-Trimethylbenzene

Concen: 49.478 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060271.D

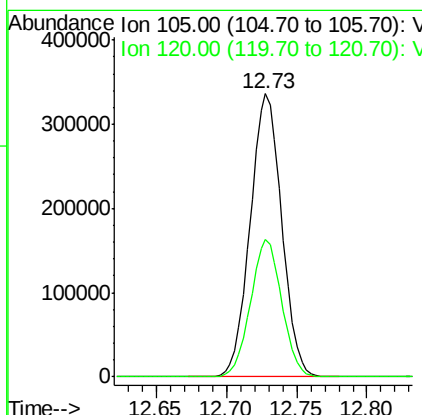
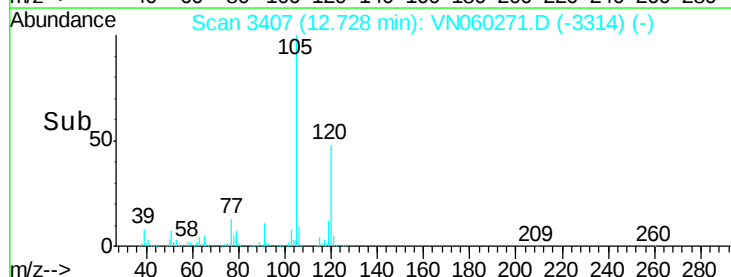
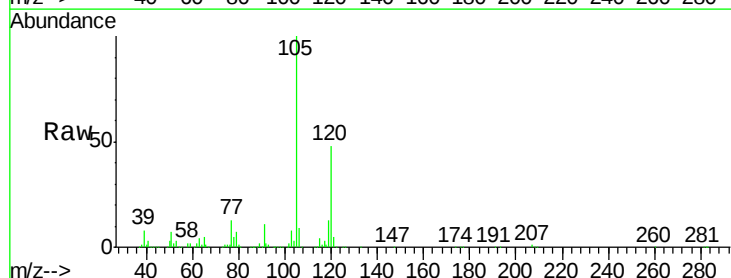
Acq: 28 Feb 2020 9:29

Tgt Ion: 105 Resp: 524727

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.4





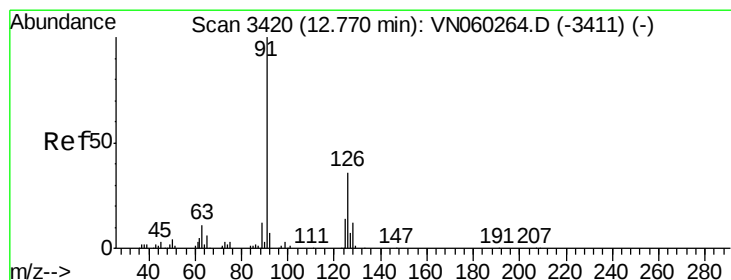
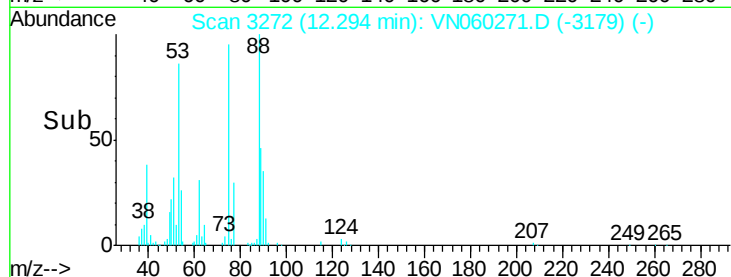
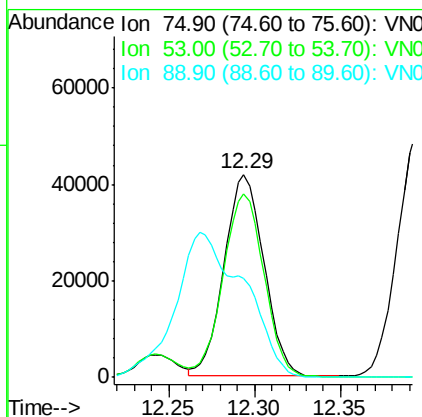
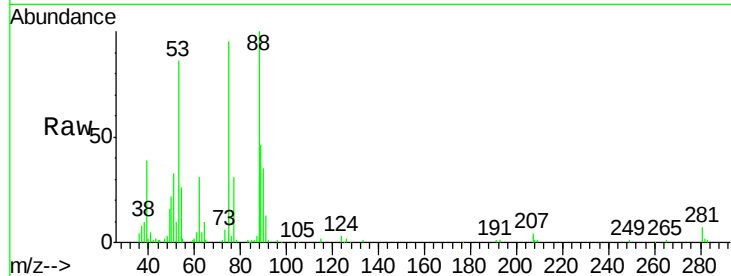
#81
trans-1,4-Dichloro-2-butene
Concen: 49.916 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	73.8	110.6
89	0.0	57.1	85.7#

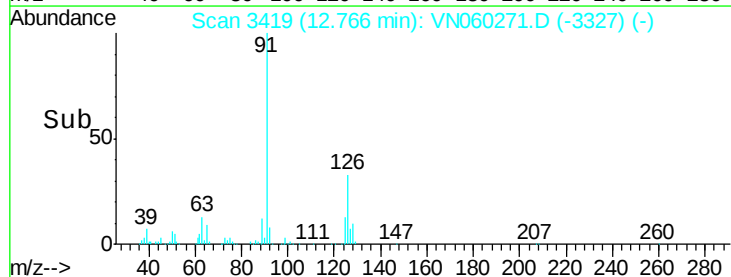
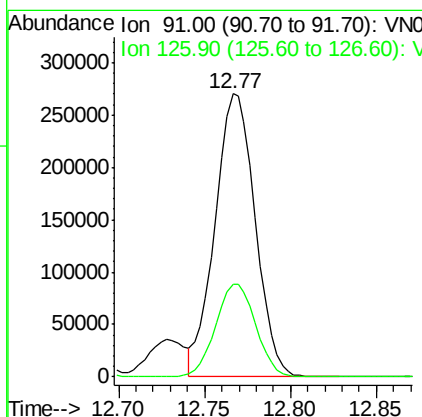
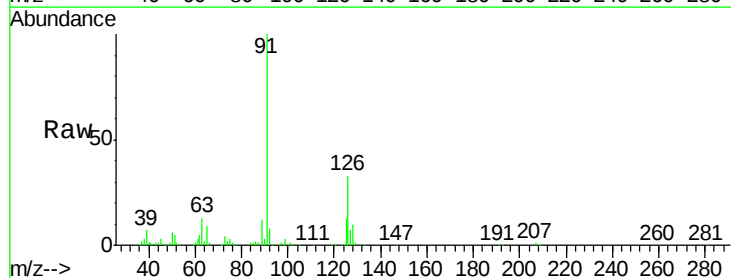
Manual Integrations
APPROVED

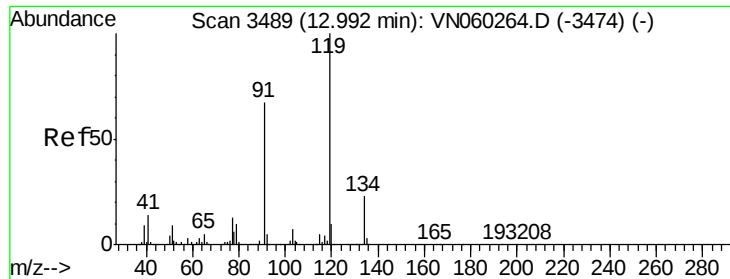
MMDadoda
3/2/2020 11:00:43 AM



#82
4-Chlorotoluene
Concen: 47.998 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.7	50.1





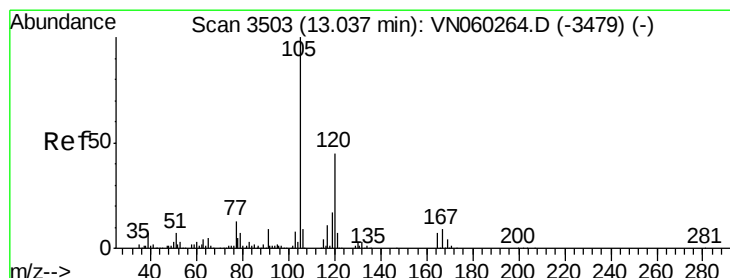
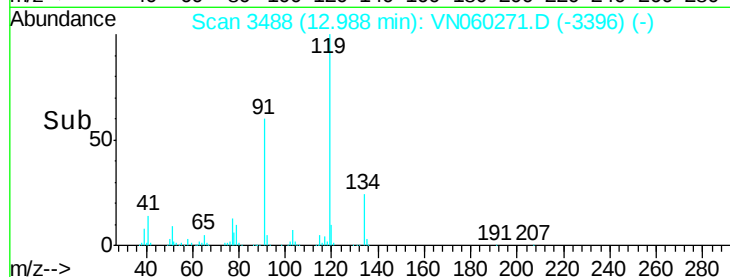
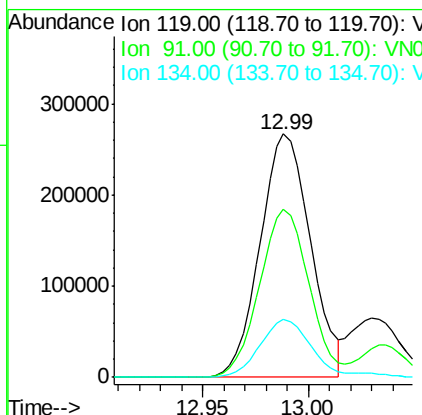
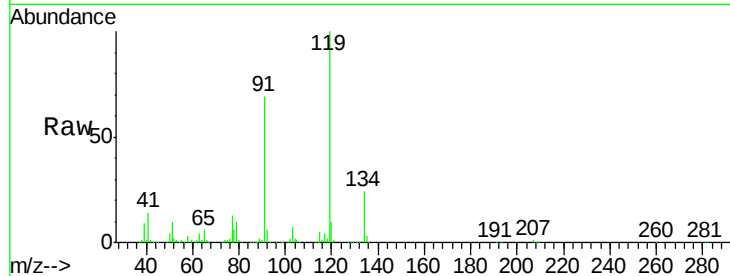
#83
tert-Butylbenzene
Concen: 48.500 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.1	99.2
134	24.9	12.4	37.0

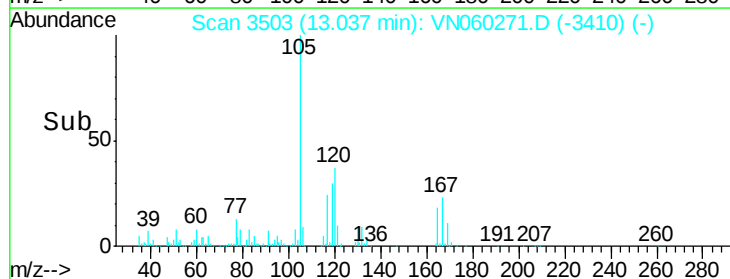
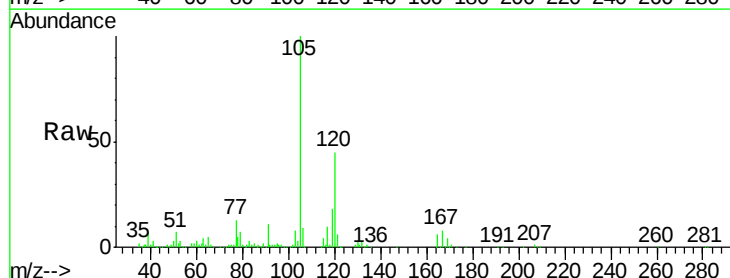
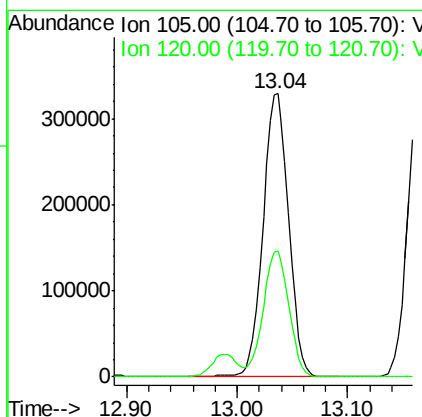
Manual Integrations
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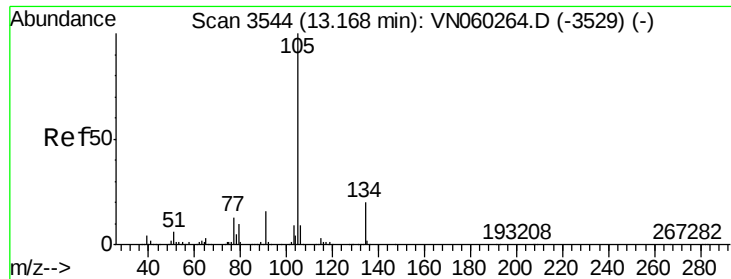
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.283 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.3	66.9





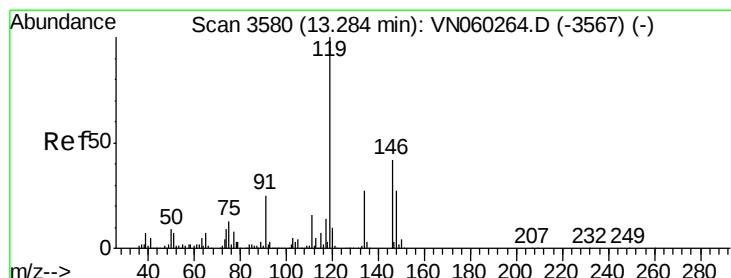
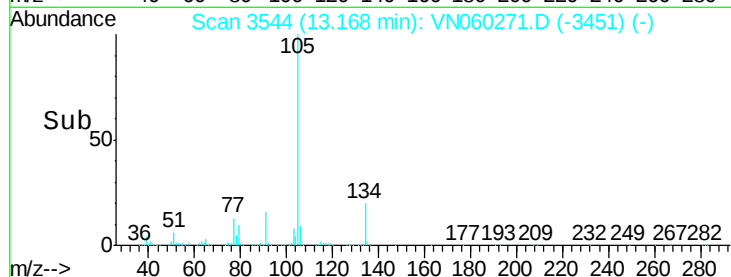
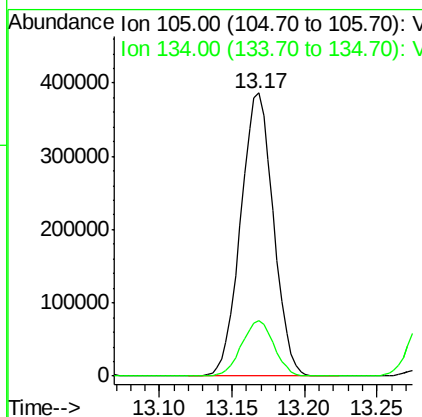
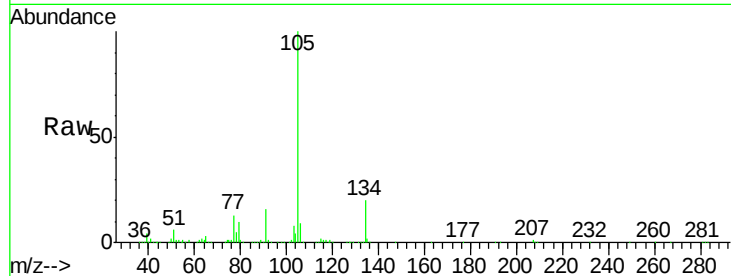
#85
 sec-Butylbenzene
 Concen: 49.352 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	606818		
134	19.5	9.8	29.5	

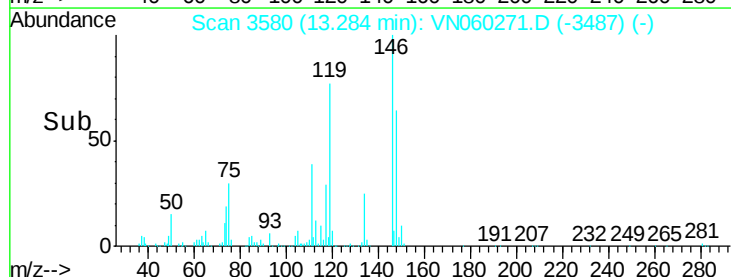
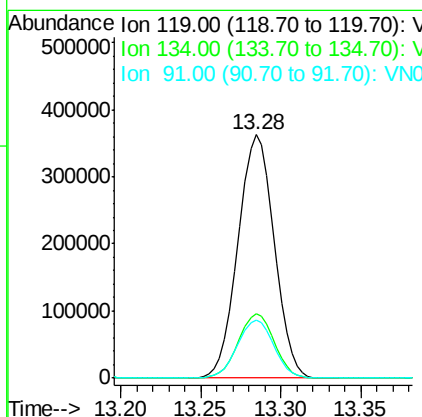
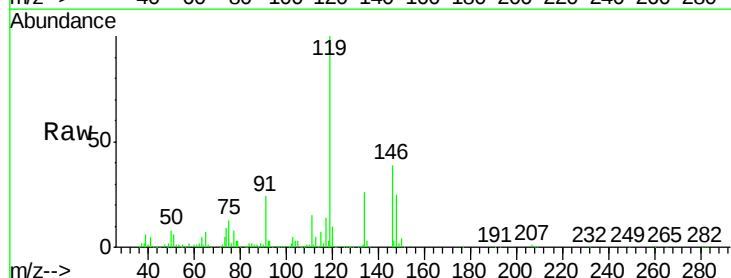
Manual Integrations
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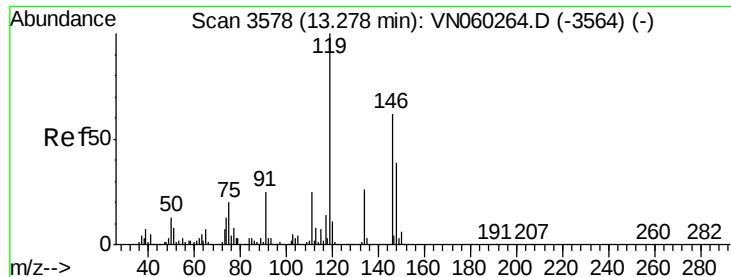
MMDadoda
 3/2/2020 11:00:43 AM



#86
 p-Isopropyltoluene
 Concen: 48.979 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	557403		
134	26.1	13.2	39.6	
91	24.0	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 50.963 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060271.D

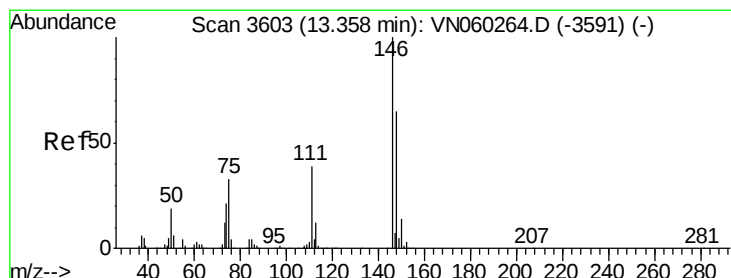
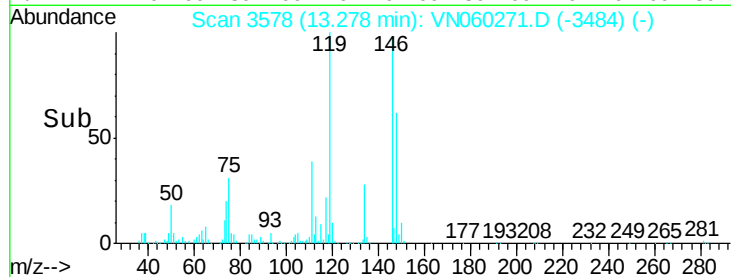
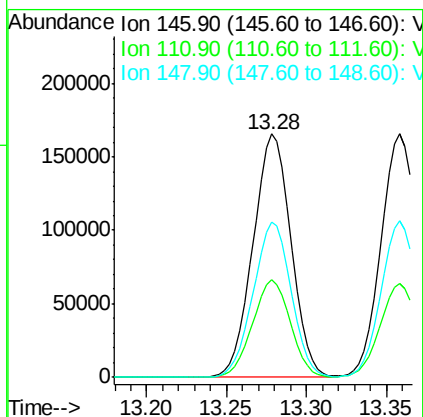
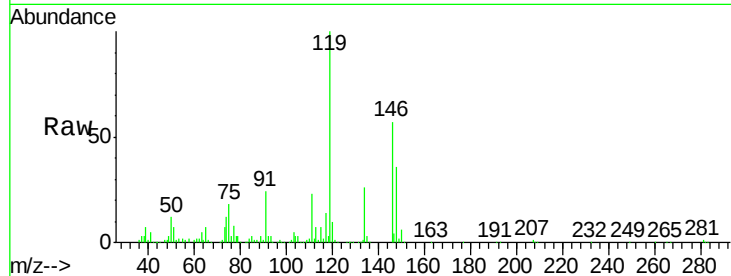
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.8	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.250 ug/l

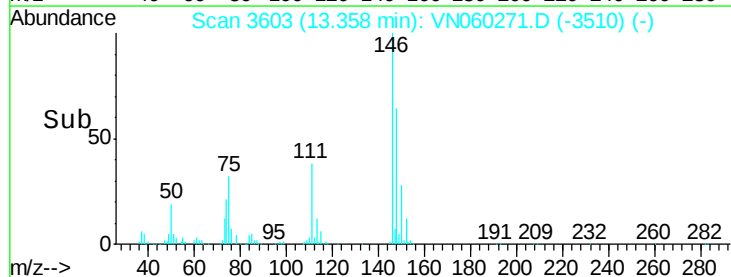
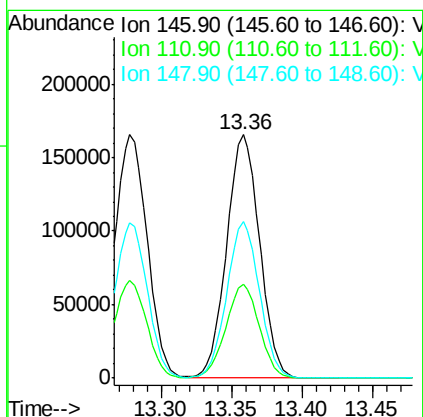
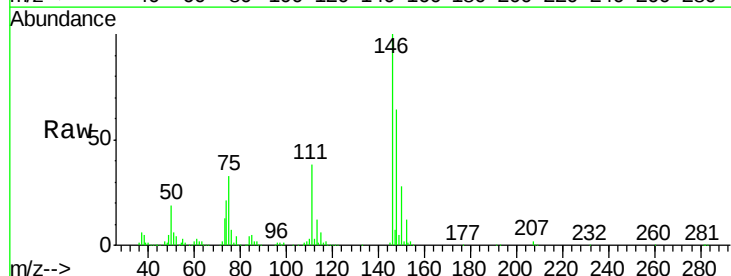
RT: 13.36 min Scan# 3603

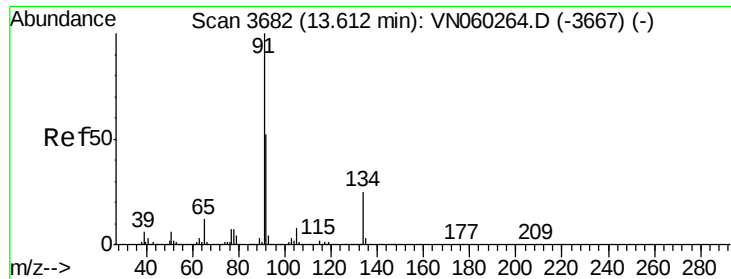
Delta R.T. 0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	63.6	32.3	96.9





#89

n-Butylbenzene

Concen: 48.358 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

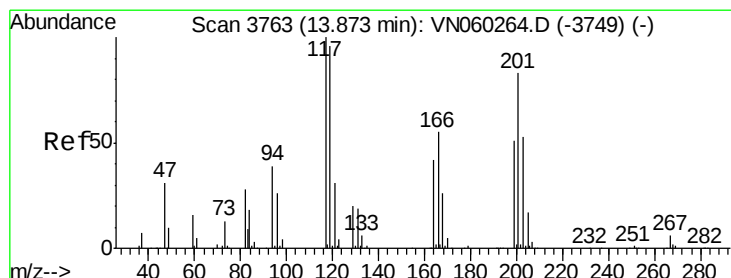
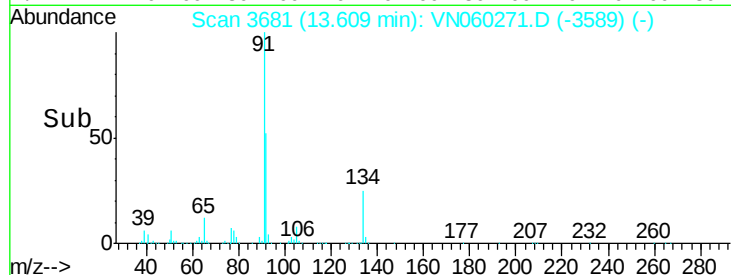
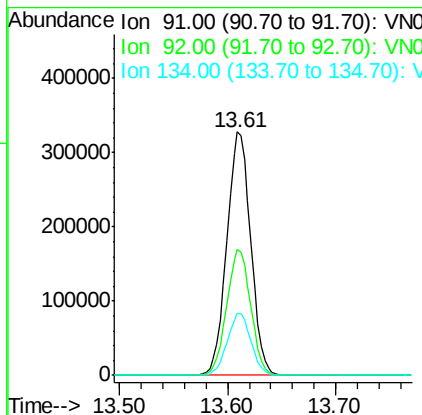
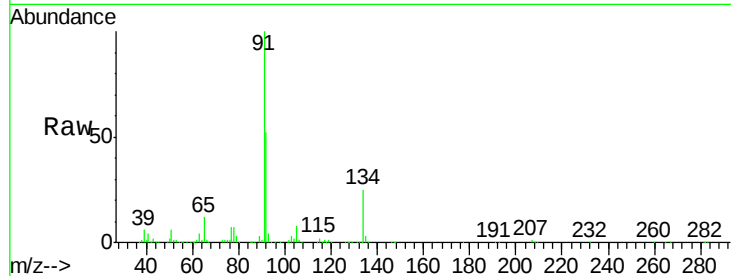
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	505194
Ion Ratio	Lower	Upper	
91	100		
92	51.8	26.0	78.0
134	25.4	12.7	38.1

Manual Integrations
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#90

Hexachloroethane

Concen: 51.964 ug/l

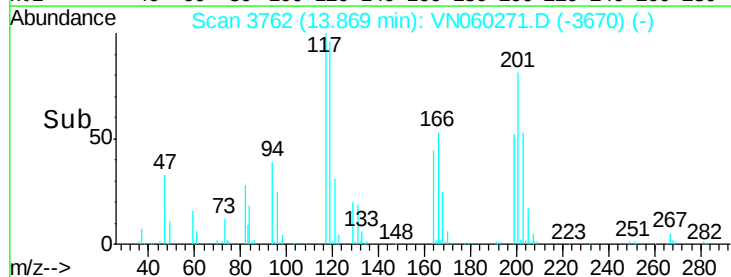
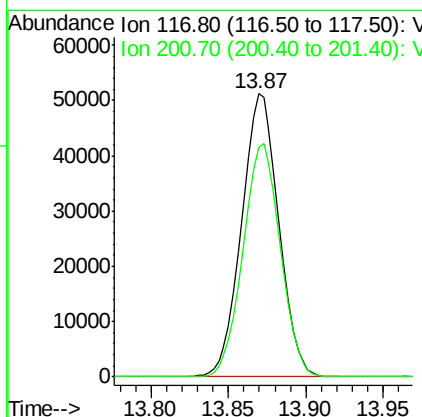
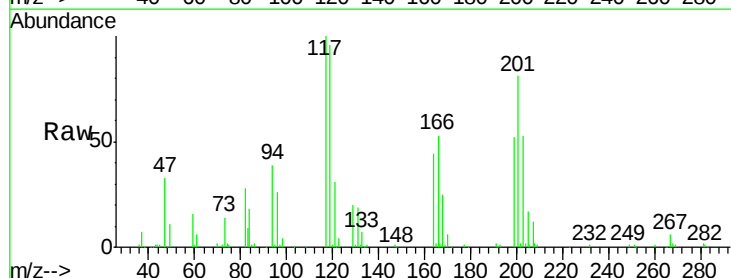
RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	117	Resp:	85600
Ion Ratio	Lower	Upper	
117	100		
201	82.7	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 47.806 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Instrument :

MSVOA_N

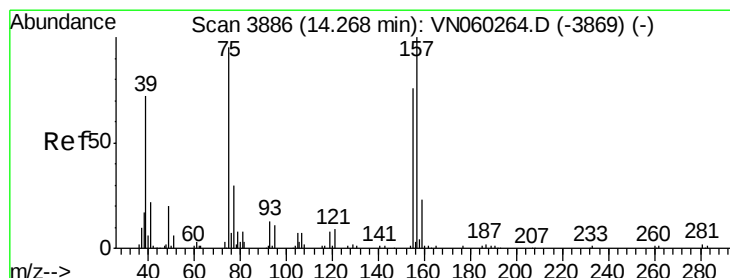
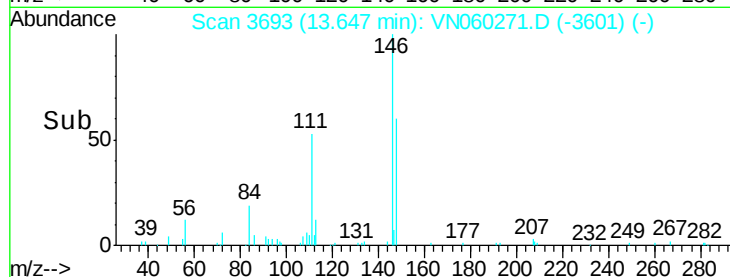
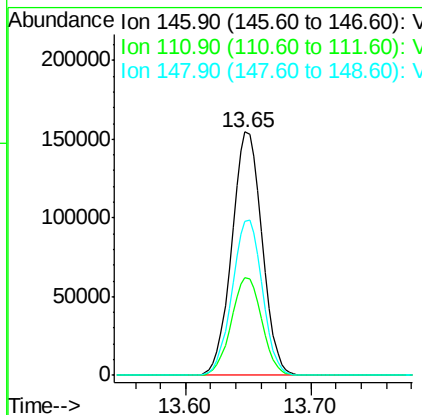
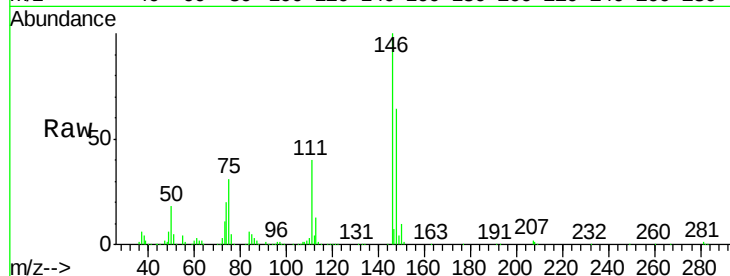
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	258643
Ion Ratio		Lower	Upper
146	100		
111	40.8	20.3	61.0
148	63.9	31.8	95.3

Manual Integrations
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MMDadoda
3/2/2020 11:00:43 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.753 ug/l

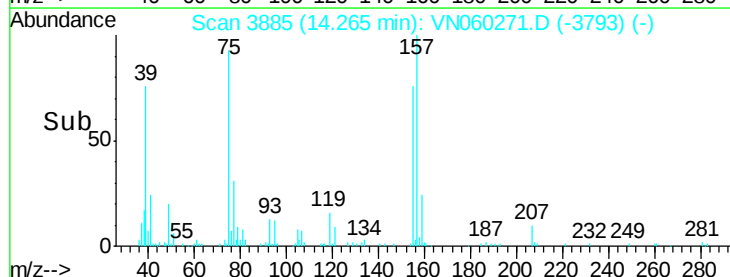
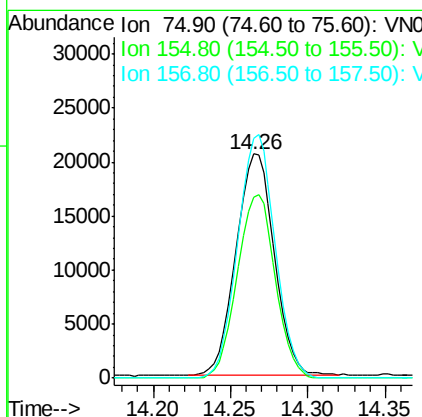
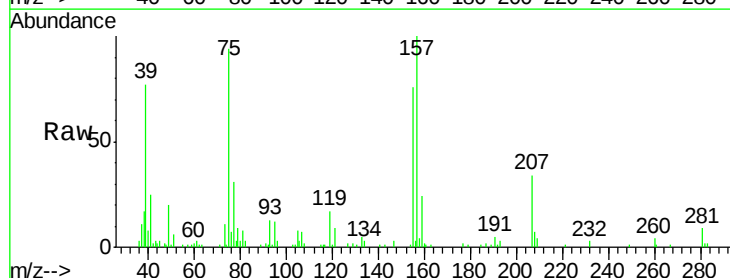
RT: 14.26 min Scan# 3885

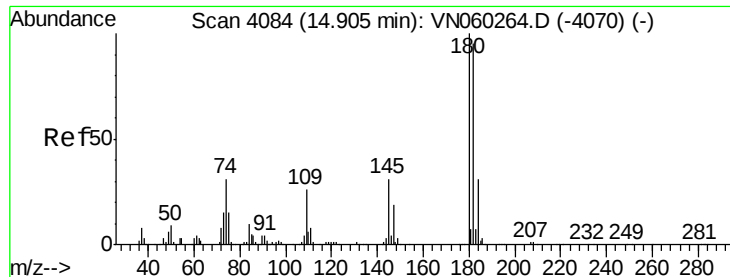
Delta R.T. -0.00 min

Lab File: VN060271.D

Acq: 28 Feb 2020 9:29

Tgt Ion:	75	Resp:	35475
Ion Ratio		Lower	Upper
75	100		
155	81.6	40.4	121.2
157	106.5	52.5	157.5





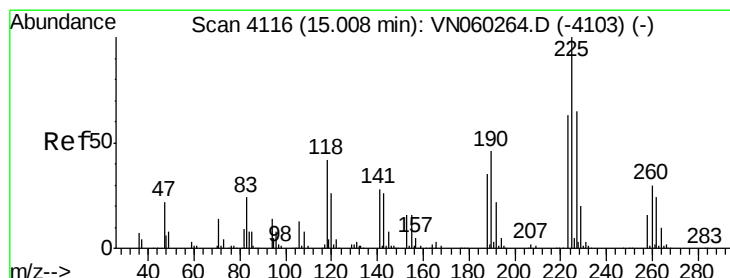
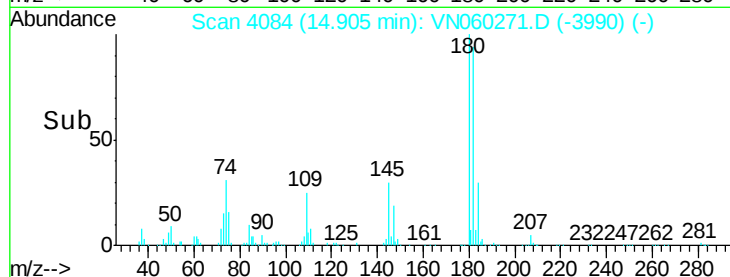
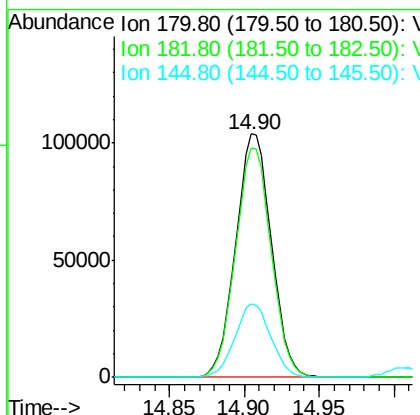
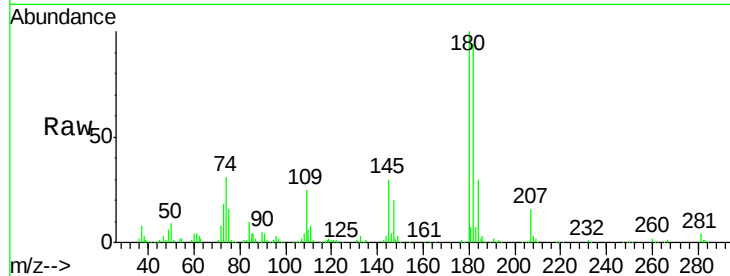
#93
 1,2,4-Trichlorobenzene
 Concen: 50.178 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.2	47.8	143.3
145	30.5	15.4	46.1

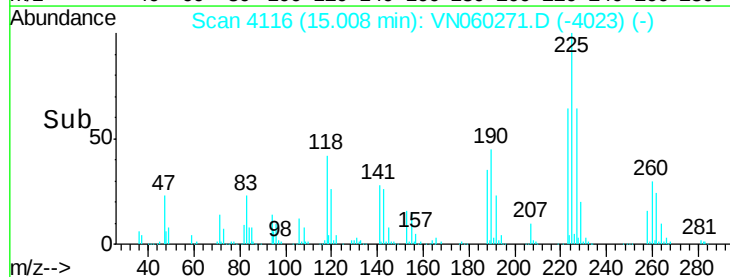
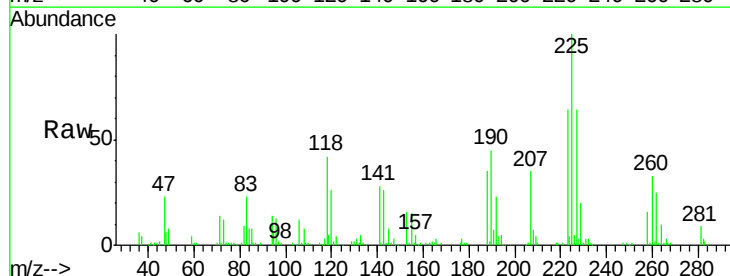
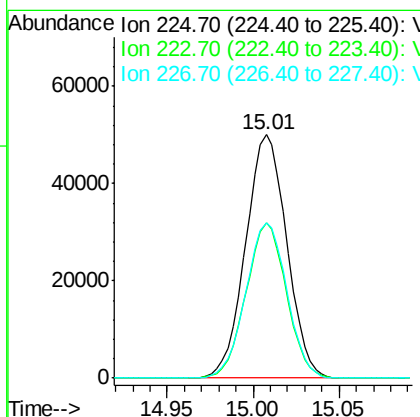
Manual Integrations
 APPROVED

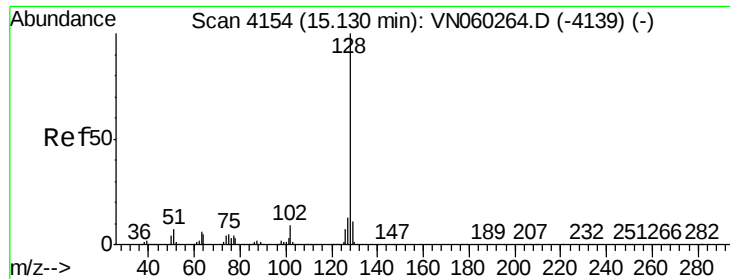
MMDadoda
 3/2/2020 11:00:43 AM



#94
 Hexachlorobutadiene
 Concen: 52.565 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060271.D
 Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	62.7	31.3	93.9
227	63.7	32.3	96.9





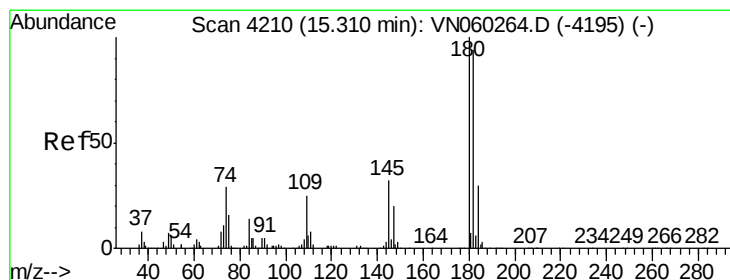
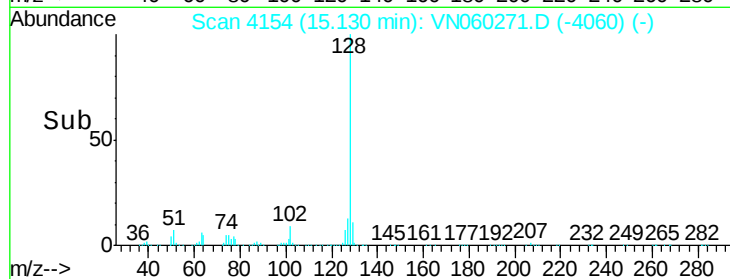
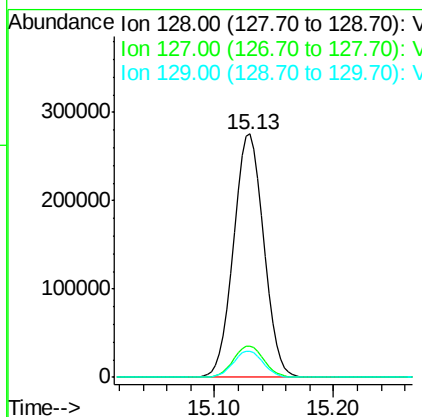
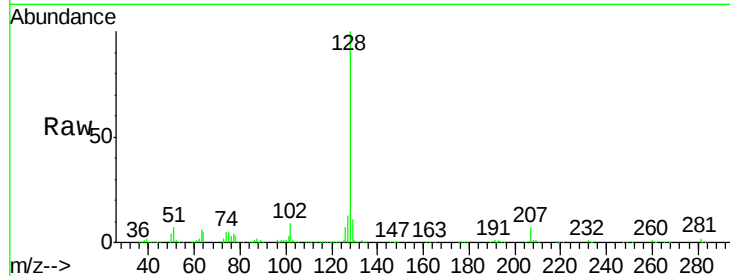
#95
Naphthalene
Concen: 47.867 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:00:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.158 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060271.D
Acq: 28 Feb 2020 9:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	32.3	16.2	48.5

