

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060264.D
 Acq On : 27 Feb 2020 11:29
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:13 PM

Quant Time: Feb 27 12:28:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	223181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	363280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	336779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	136360	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.57	113	82113	39.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.08%	
50) Toluene-d8	10.08	98	401540	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
62) 4-Bromofluorobenzene	12.40	95	153540	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	99966	45.772	ug/l	100
3) Chloromethane	2.04	50	167505	60.375	ug/l	100
4) Vinyl Chloride	2.16	62	145359	48.355	ug/l	100
5) Bromomethane	2.54	94	61324	35.065	ug/l	100
6) Chloroethane	2.68	64	77870	50.331	ug/l	100
7) Trichlorofluoromethane	3.00	101	186858	47.970	ug/l	100
8) Diethyl Ether	3.38	74	71121	53.812	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	106982	49.256	ug/l	100
10) Methyl Iodide	3.93	142	97061	38.830	ug/l	100
11) Tert butyl alcohol	4.73	59	106413	260.063	ug/l	100
12) 1,1-Dichloroethene	3.72	96	107396	50.543	ug/l	100
13) Acrolein	3.58	56	104943	258.689	ug/l	100
14) Allyl chloride	4.29	41	195625	59.781	ug/l	100
15) Acrylonitrile	4.94	53	287022	283.772	ug/l	100
16) Acetone	3.78	43	225613	200.310	ug/l	100
17) Carbon Disulfide	4.03	76	286245	45.483	ug/l	100
18) Methyl Acetate	4.29	43	143657	61.801	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	377908	52.501	ug/l	100
20) Methylene Chloride	4.52	84	119513	50.226	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	114312	49.645	ug/l	100
22) Diisopropyl ether	5.92	45	392773	56.090	ug/l	100
23) Vinyl Acetate	5.86	43	1610439	276.639	ug/l	100
24) 1,1-Dichloroethane	5.82	63	220691	52.739	ug/l	100
25) 2-Butanone	6.80	43	373917	253.581	ug/l	100
26) 2,2-Dichloropropane	6.80	77	198799	50.515	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	134370	49.732	ug/l	100
28) Bromochloromethane	7.17	49	85105	51.981	ug/l	100
29) Tetrahydrofuran	7.18	42	256154	275.189	ug/l	100
30) Chloroform	7.35	83	218308	50.361	ug/l	100
31) Cyclohexane	7.63	56	194196	49.994	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	194459	49.364	ug/l	100
36) 1,1-Dichloropropene	7.77	75	161882	48.281	ug/l	100
37) Ethyl Acetate	6.90	43	163758	53.185	ug/l	100
38) Carbon Tetrachloride	7.75	117	164744	45.668	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	193262	46.658	ug/l	100
40) Benzene	8.02	78	486517	48.733	ug/l	100
41) Methacrylonitrile	7.15	41	77609m	59.446	ug/l	
42) 1,2-Dichloroethane	8.10	62	177742	50.612	ug/l	100
43) Isopropyl Acetate	8.14	43	285053	53.962	ug/l	100
44) Trichloroethene	8.82	130	132792	48.166	ug/l	100
45) 1,2-Dichloropropane	9.10	63	130689	52.414	ug/l	100
46) Dibromomethane	9.19	93	84065	48.460	ug/l	100
47) Bromodichloromethane	9.39	83	173277	48.986	ug/l	100
48) Methyl methacrylate	9.18	41	128582	54.294	ug/l	100
49) 1,4-Dioxane	9.18	88	34762	906.227	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	826868	271.787	ug/l	100
52) Toluene	10.14	92	307965	48.324	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	204035	50.817	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	214290	50.635	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	121544	48.867	ug/l	100
56) Ethyl methacrylate	10.42	69	189138	53.327	ug/l	100
57) 1,3-Dichloropropane	10.70	76	205583	49.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	480267	286.225	ug/l	100
59) 2-Hexanone	10.74	43	608314	262.861	ug/l	100
60) Dibromochloromethane	10.89	129	129321	45.948	ug/l	100
61) 1,2-Dibromoethane	11.00	107	123607	47.776	ug/l	100
64) Tetrachloroethene	10.62	164	136170	52.306	ug/l	100
65) Chlorobenzene	11.43	112	326323	47.804	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	123298	47.852	ug/l	100
67) Ethyl Benzene	11.50	91	602953	48.799	ug/l	100
68) m/p-Xylenes	11.62	106	448113	96.873	ug/l	100
69) o-Xylene	11.94	106	216023	48.510	ug/l	100
70) Styrene	11.96	104	362826	50.454	ug/l	100
71) Bromoform	12.12	173	94273	46.071	ug/l #	100
73) Isopropylbenzene	12.25	105	592580	47.677	ug/l	100
74) N-amyl acetate	12.06	43	259096	56.619	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	163659	46.291	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	176271m	55.107	ug/l	
77) Bromobenzene	12.52	156	143488	46.757	ug/l	100
78) n-propylbenzene	12.59	91	691517	48.658	ug/l	100
79) 2-Chlorotoluene	12.67	91	401888	48.106	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	501459	48.464	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	66521	50.926	ug/l	100
82) 4-Chlorotoluene	12.77	91	418163	48.789	ug/l	100
83) tert-Butylbenzene	12.99	119	433299	47.288	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	505679	49.505	ug/l	100
85) sec-Butylbenzene	13.17	105	581031	48.003	ug/l	100
86) p-Isopropyltoluene	13.28	119	527016	48.027	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	262041	48.106	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	258474	47.493	ug/l	100
89) n-Butylbenzene	13.61	91	486163	50.151	ug/l	100
90) Hexachloroethane	13.87	117	79935	40.258	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	251696	47.278	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36428	44.321	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	166755	52.827	ug/l	100
94) Hexachlorobutadiene	15.01	225	77495	42.842	ug/l	100
95) Naphthalene	15.13	128	497188	57.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158065	50.500	ug/l	100

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

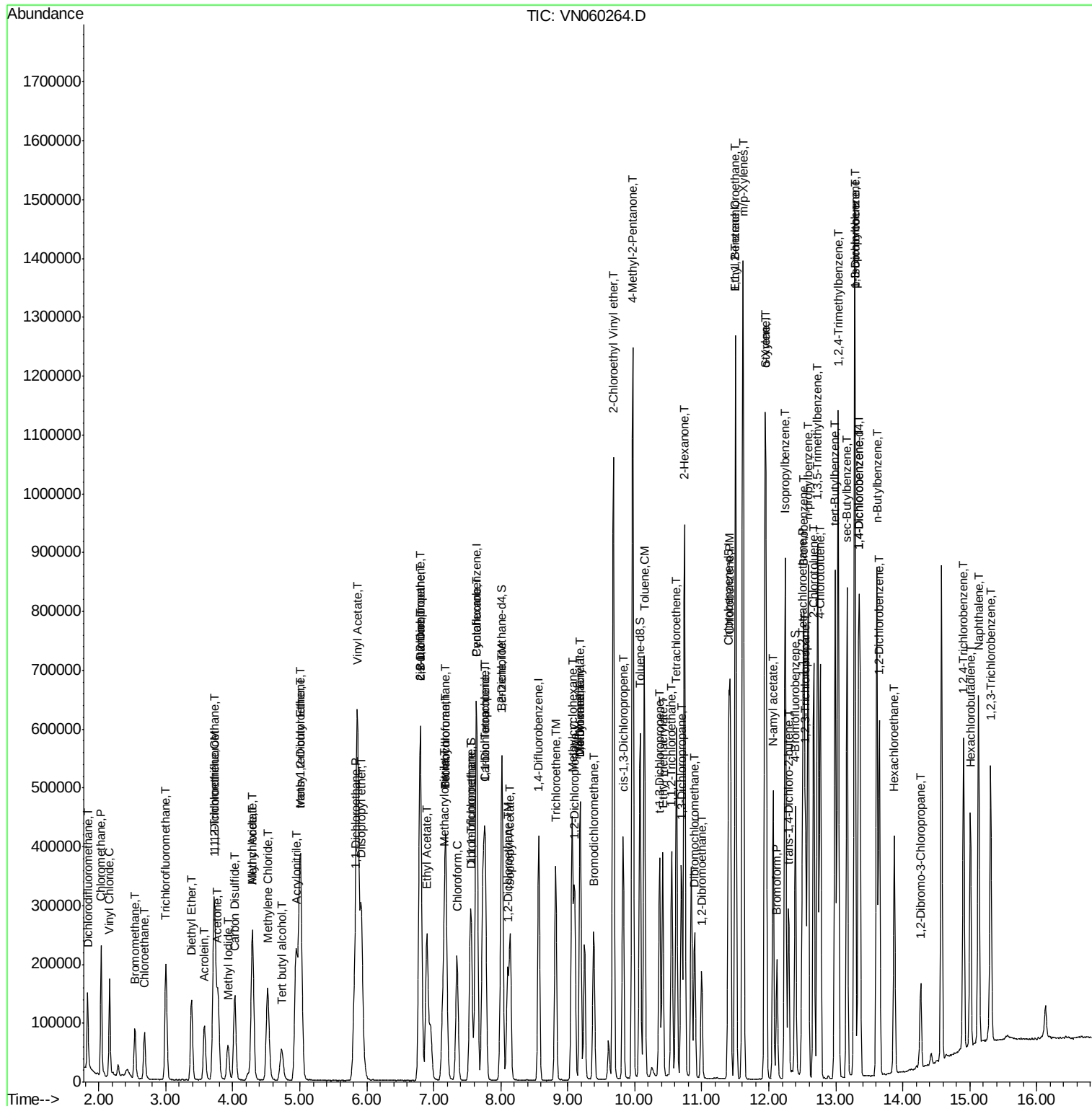
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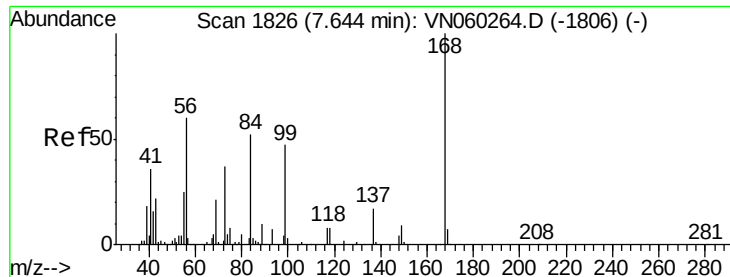
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 223181

Ion Ratio Lower Upper

168 100

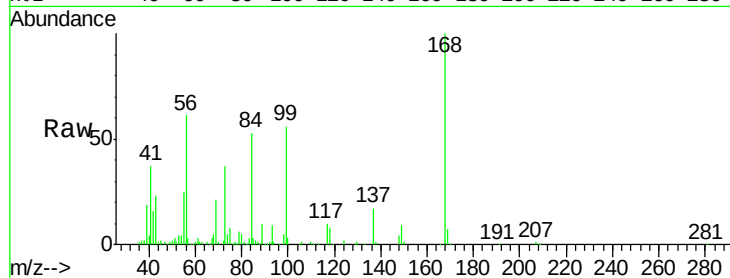
99 55.9 44.7 67.1

Manual Integrations

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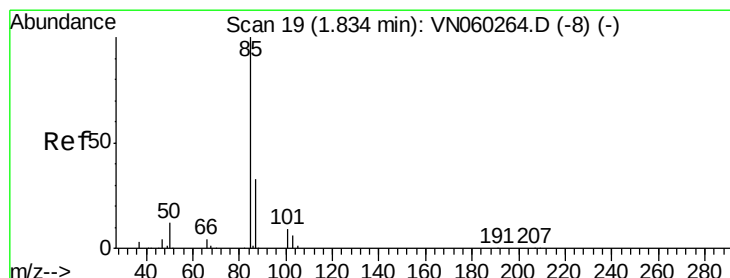
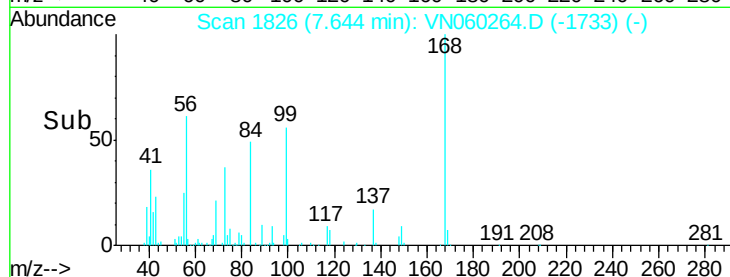
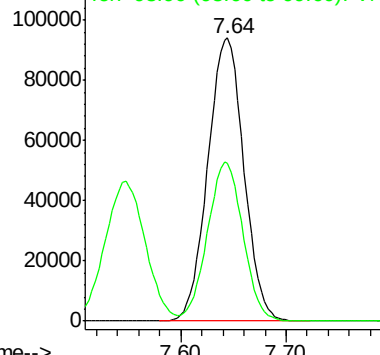
MMDadoda

2/28/2020 12:31:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.772 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060264.D

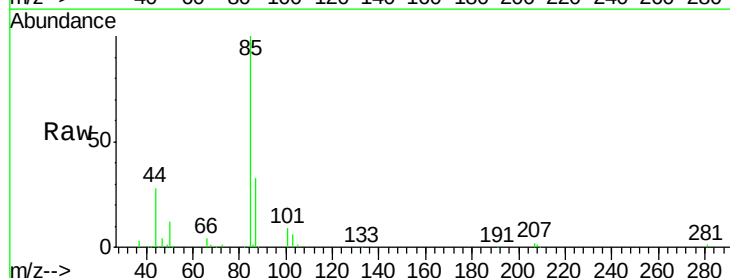
Acq: 27 Feb 2020 11:29

Tgt Ion: 85 Resp: 99966

Ion Ratio Lower Upper

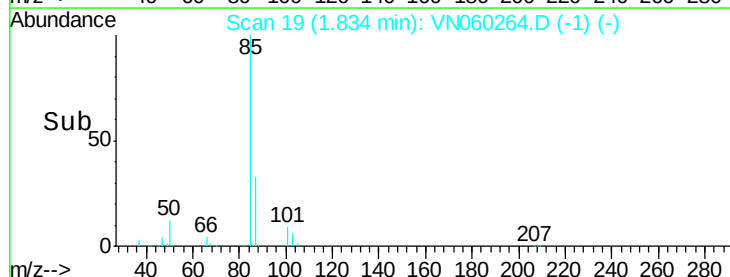
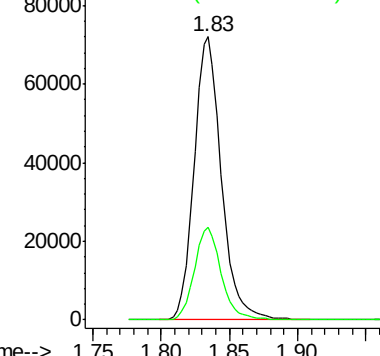
85 100

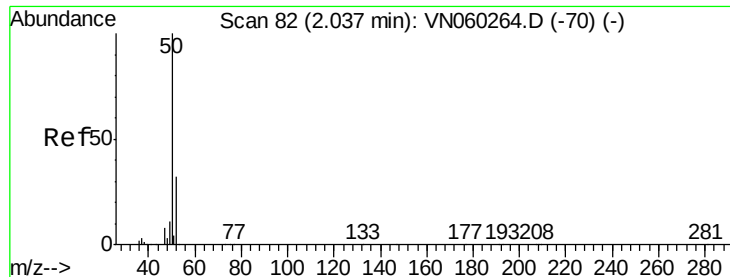
87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 60.375 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 167505

Ion Ratio Lower Upper

50 100

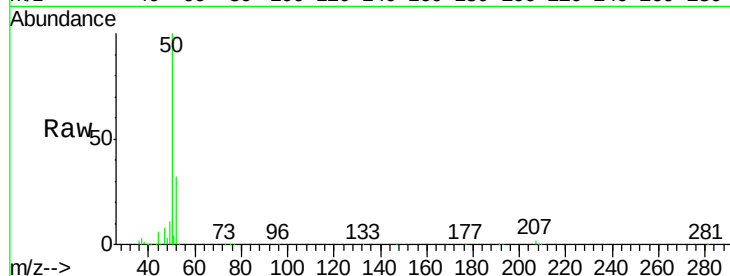
52 32.0 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

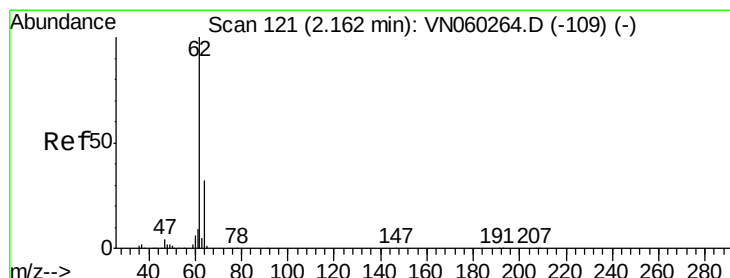
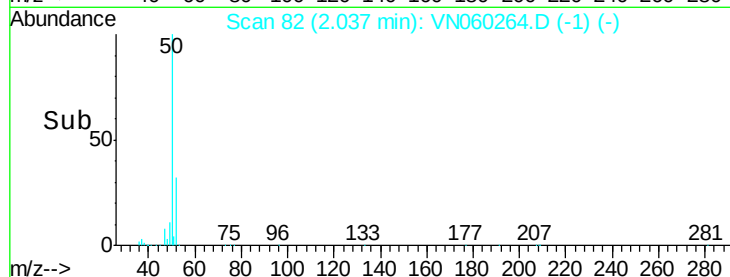
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.355 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060264.D

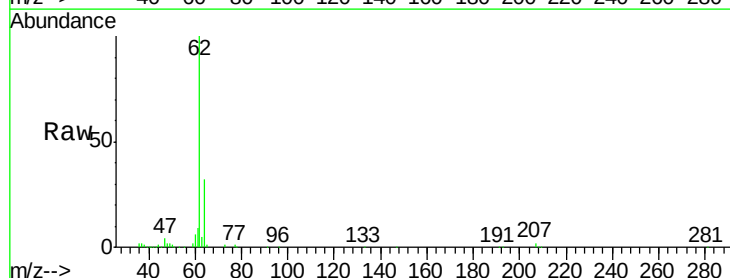
Acq: 27 Feb 2020 11:29

Tgt Ion: 62 Resp: 145359

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

2.16

100000

80000

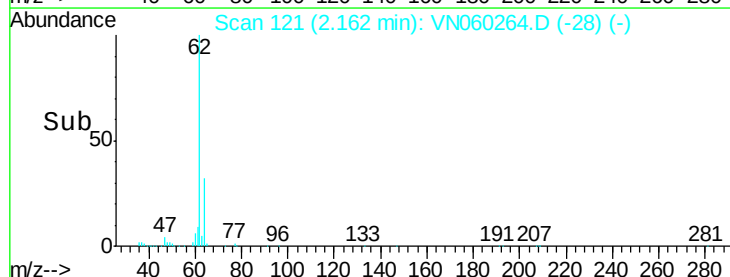
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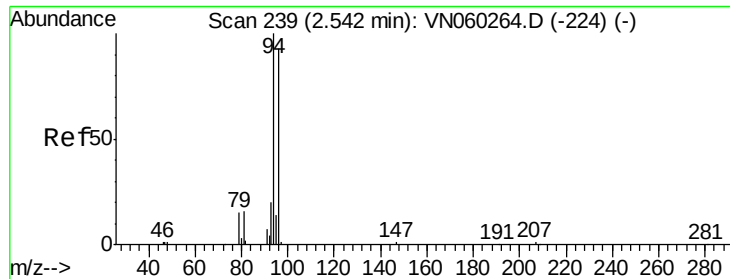
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20000

0

Time-->





#5

Bromomethane

Concen: 35.065 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 61324

Ion Ratio Lower Upper

94 100

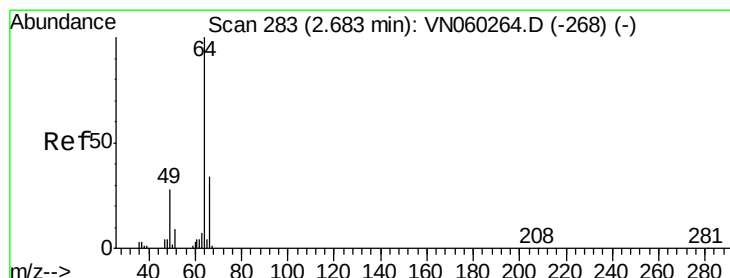
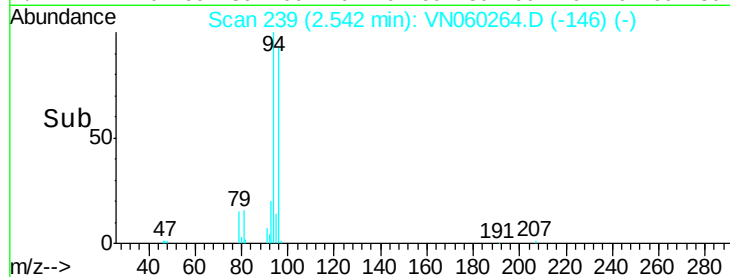
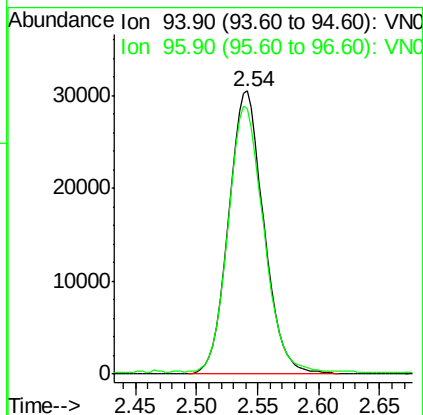
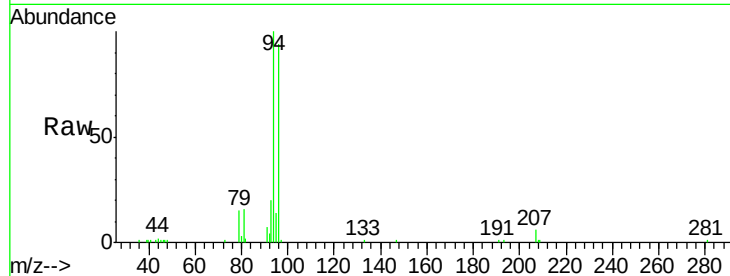
96 92.9 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 50.331 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060264.D

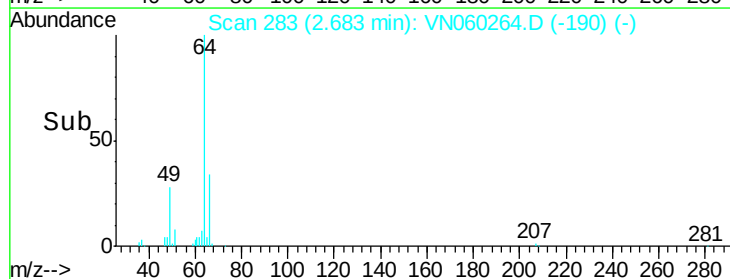
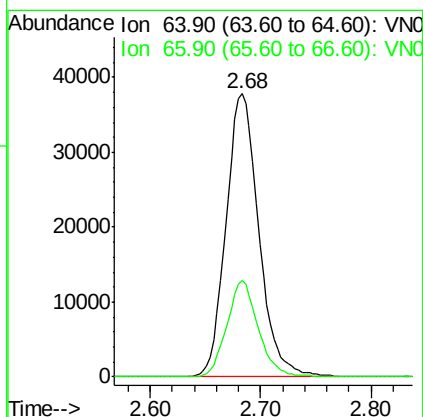
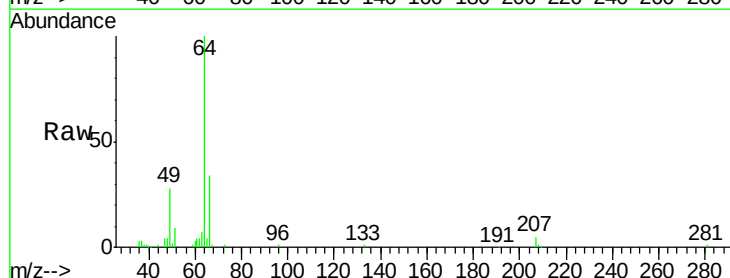
Acq: 27 Feb 2020 11:29

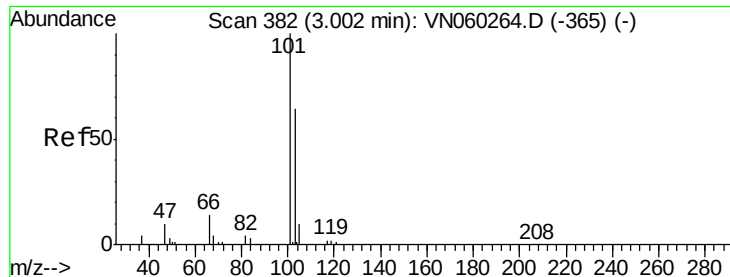
Tgt Ion: 64 Resp: 77870

Ion Ratio Lower Upper

64 100

66 34.3 27.4 41.2





#7

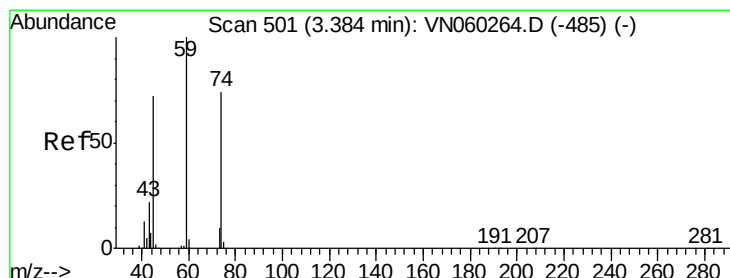
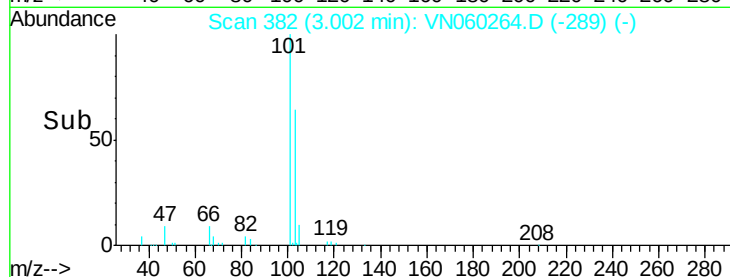
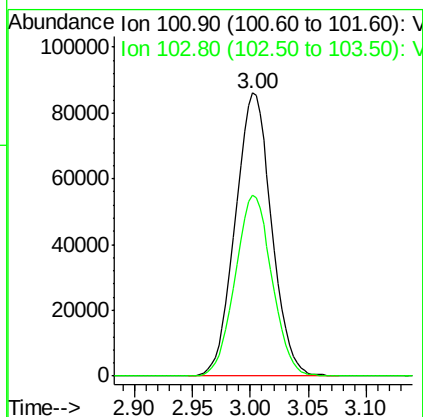
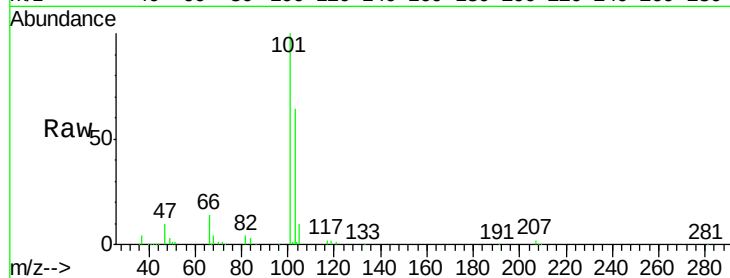
Trichlorofluoromethane
Concen: 47.970 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060264.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.3	76.9

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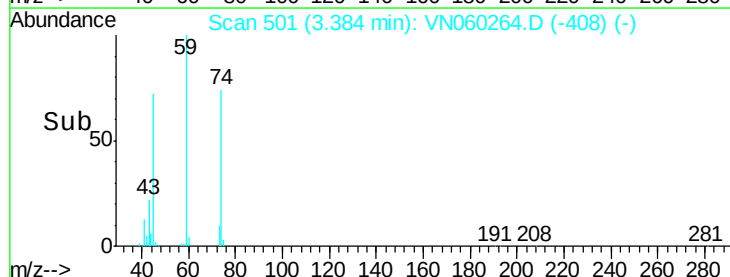
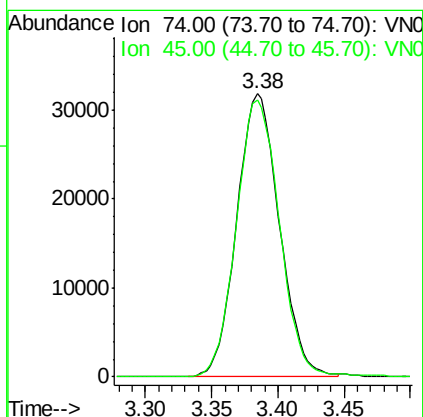
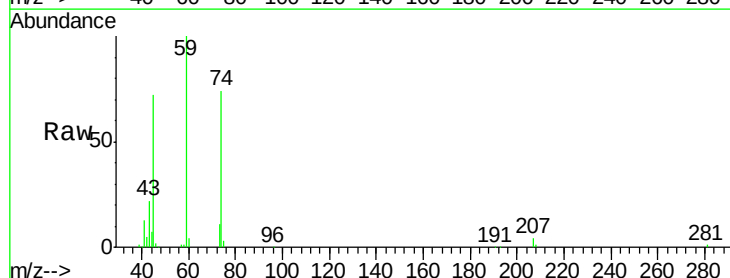
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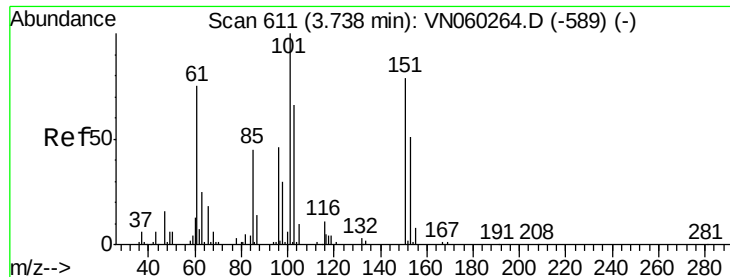


#8

Diethyl Ether
Concen: 53.812 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.256 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060264.D

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Instrument :

MSVOA_N

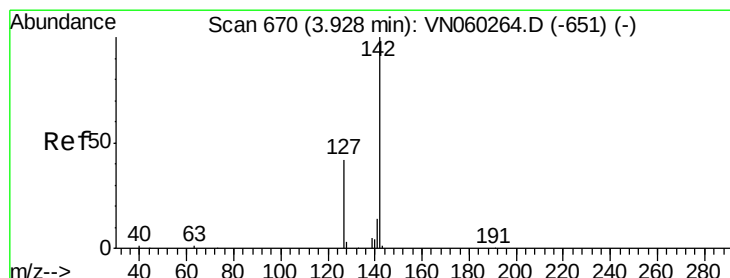
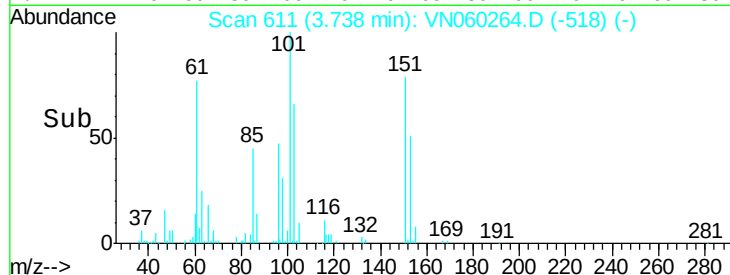
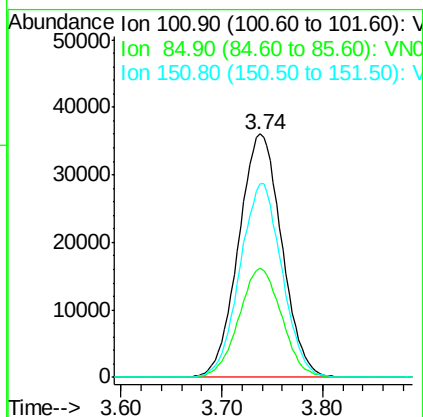
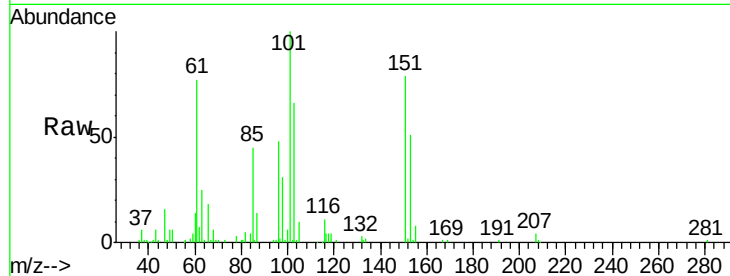
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	106982
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.4	53.2
151	77.5	62.0	93.0

Manual Integrations
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2/28/2020 12:31:13 PM



#10

Methyl Iodide

Concen: 38.830 ug/l

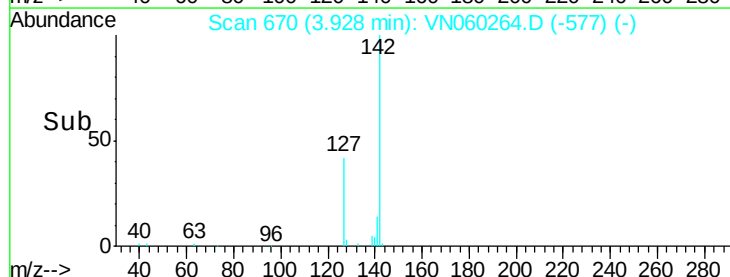
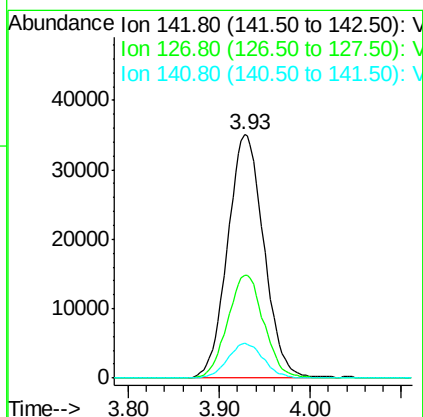
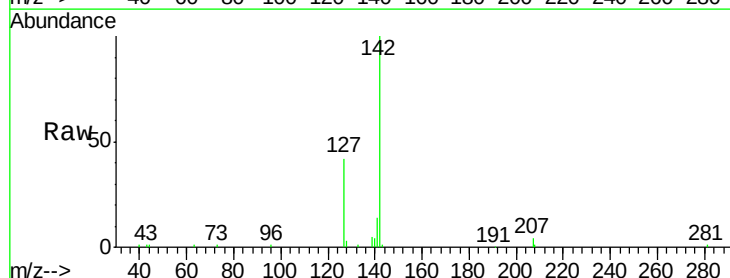
RT: 3.93 min Scan# 670

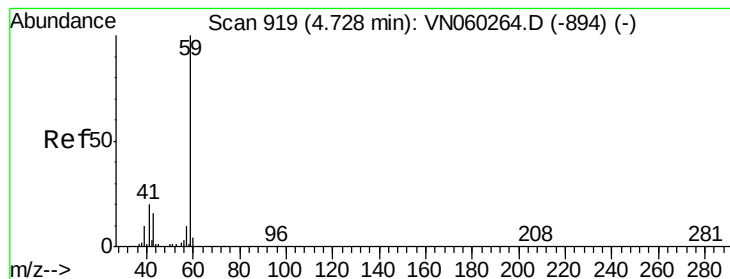
Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion:	142	Resp:	97061
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.8	50.6
141	13.9	11.1	16.7





#11

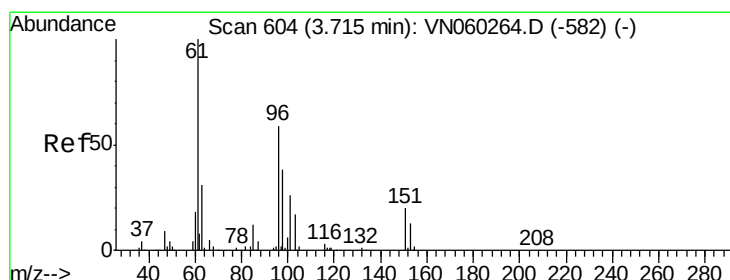
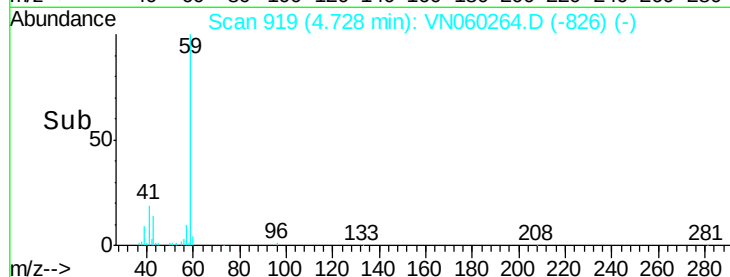
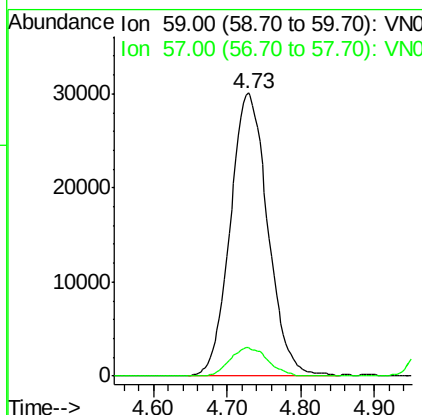
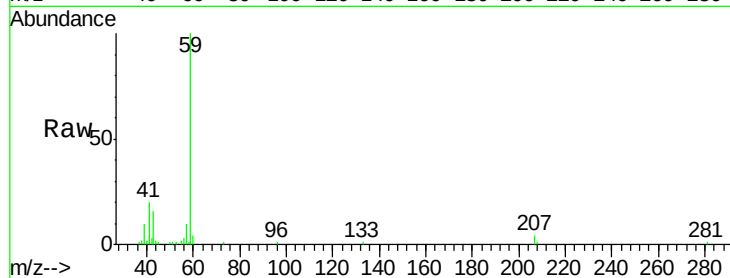
Tert butyl alcohol
 Concen: 260.063 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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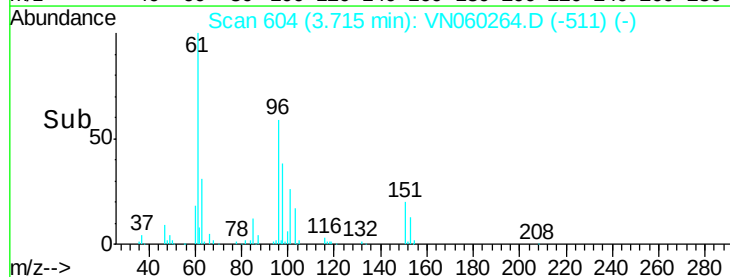
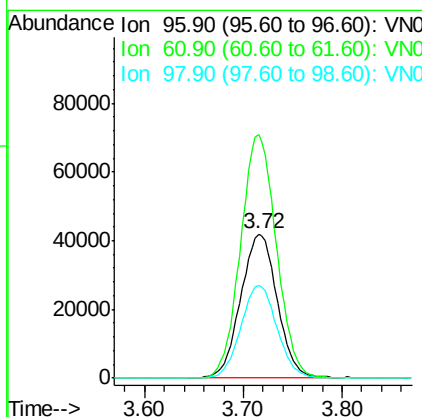
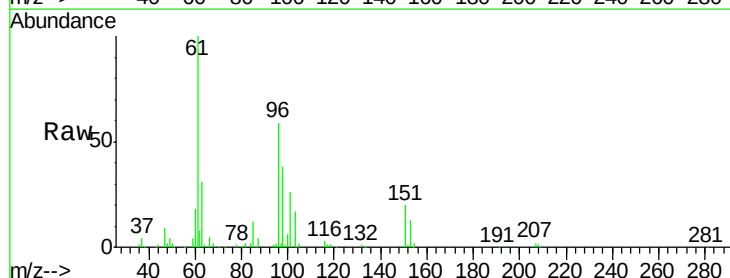
MMDadoda
 2/28/2020 12:31:13 PM

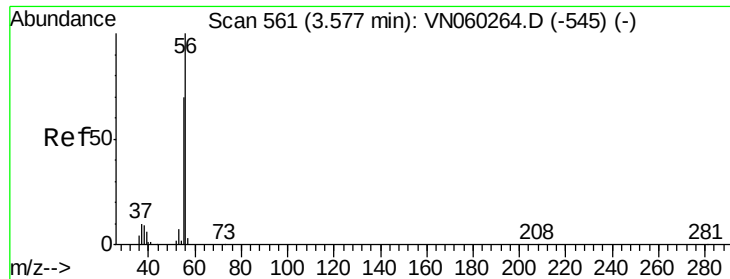


#12

1,1-Dichloroethene
 Concen: 50.543 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	135.4	203.0
98	64.5	51.6	77.4





#13

Acrolein

Concen: 258.689 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 104943

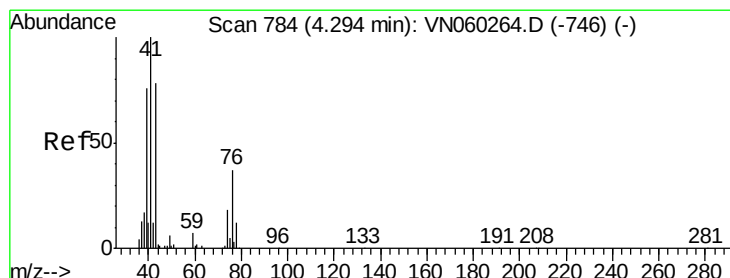
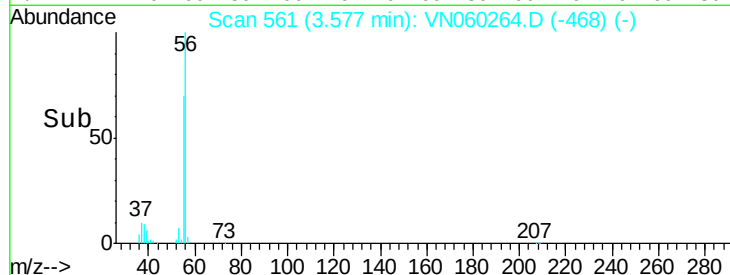
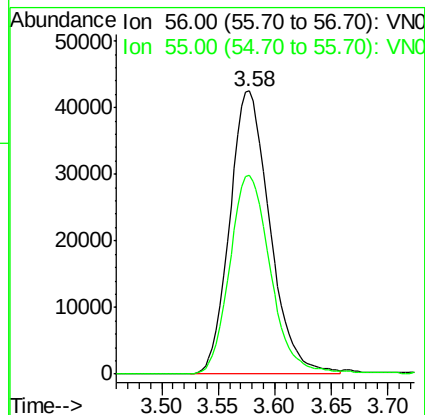
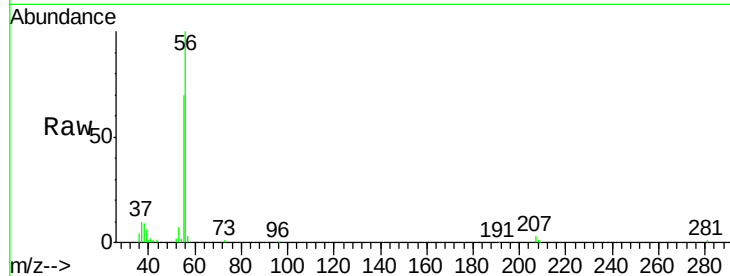
Ion Ratio Lower Upper

56 100

55 71.7 57.4 86.0

Manual Integrations
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#14

Allyl chloride

Concen: 59.781 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

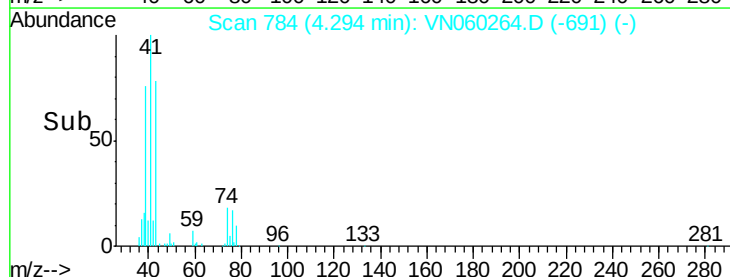
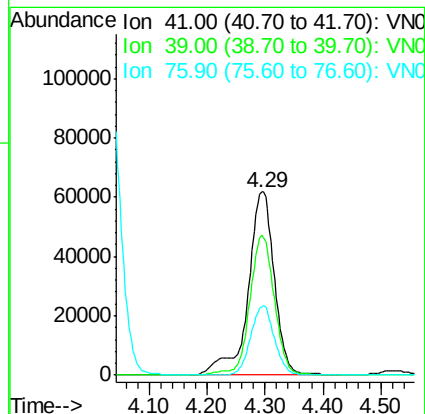
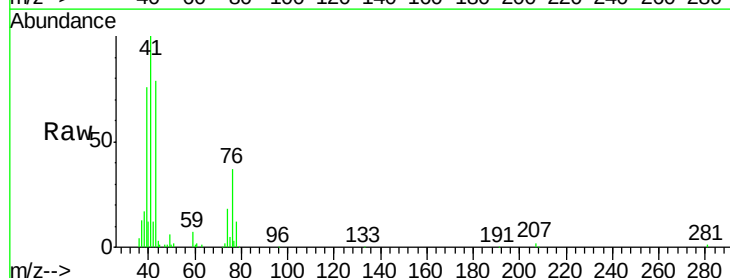
Tgt Ion: 41 Resp: 195625

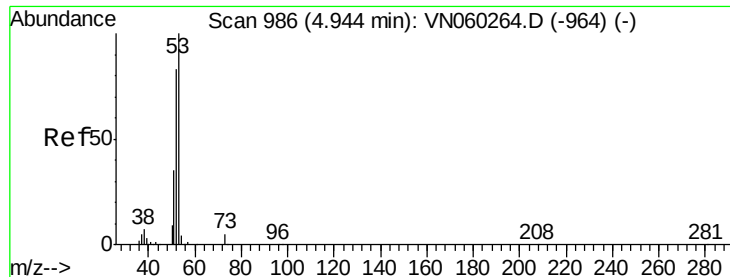
Ion Ratio Lower Upper

41 100

39 69.3 55.4 83.2

76 33.8 27.0 40.6





#15

Acrylonitrile

Concen: 283.772 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

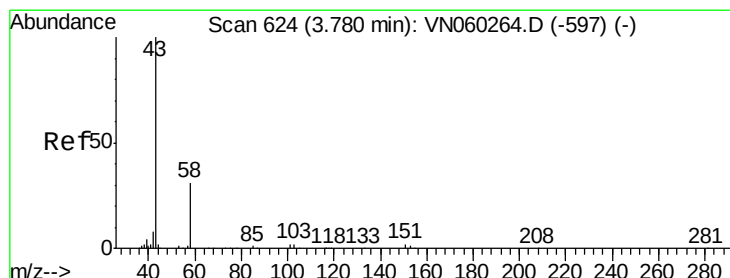
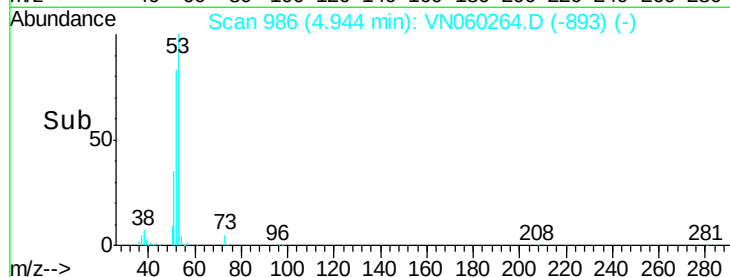
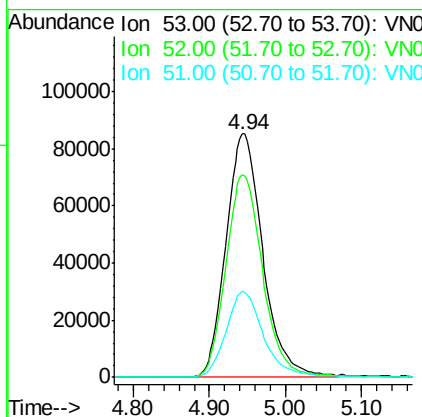
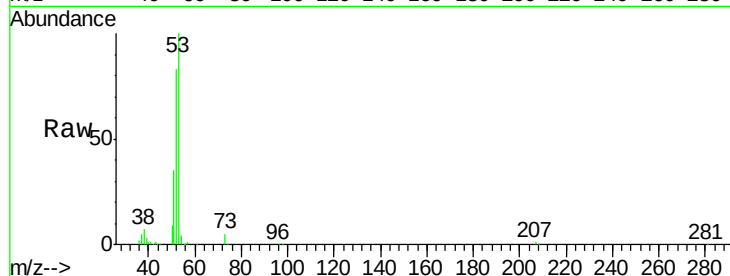
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	287022
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.8	100.2
51	36.3	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 200.310 ug/l

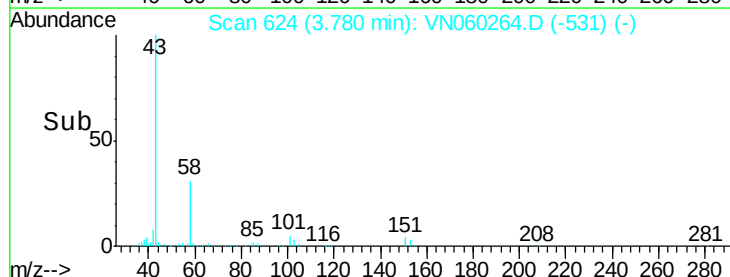
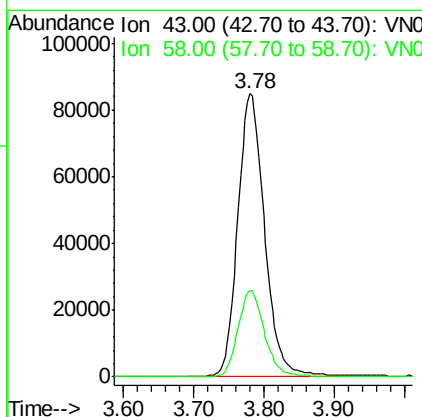
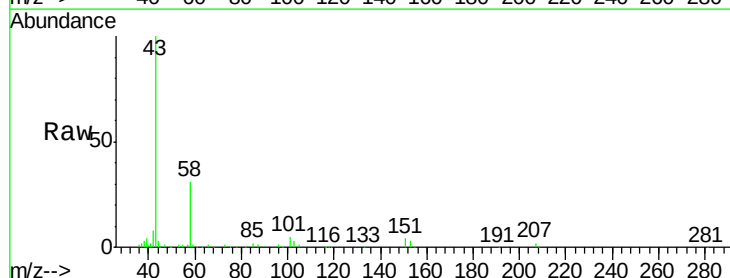
RT: 3.78 min Scan# 624

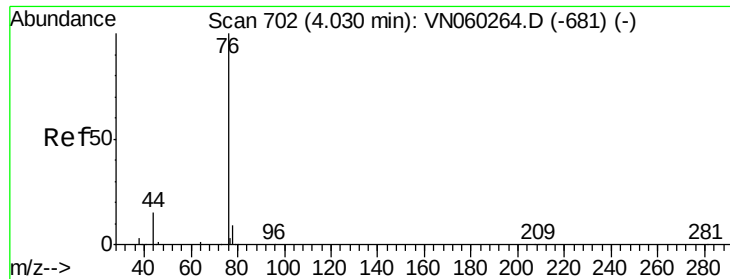
Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion:	43	Resp:	225613
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8





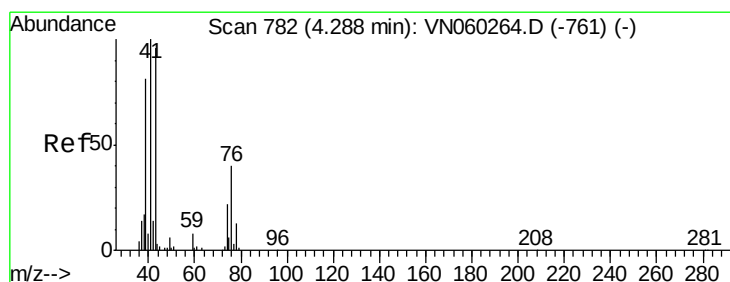
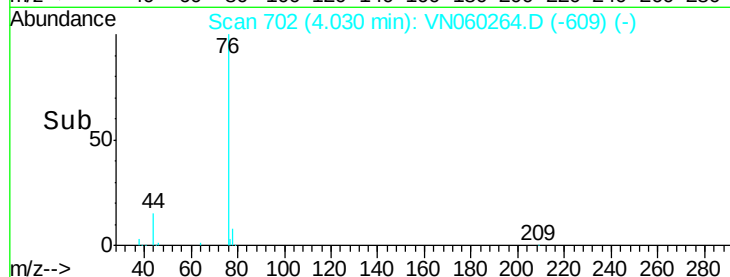
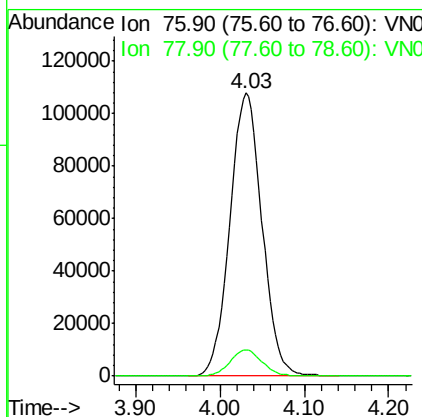
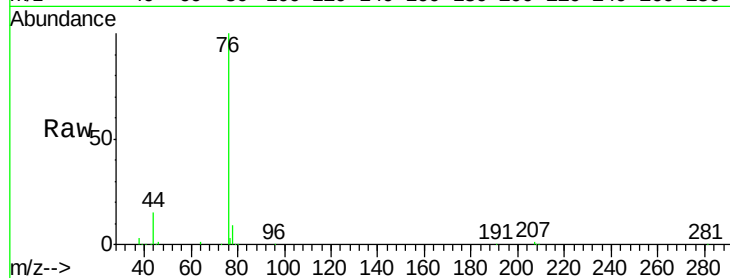
#17
Carbon Disulfide
Concen: 45.483 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

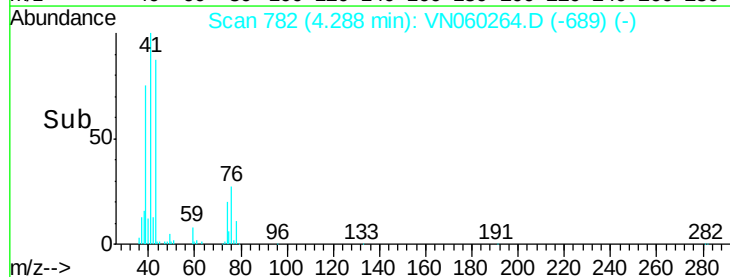
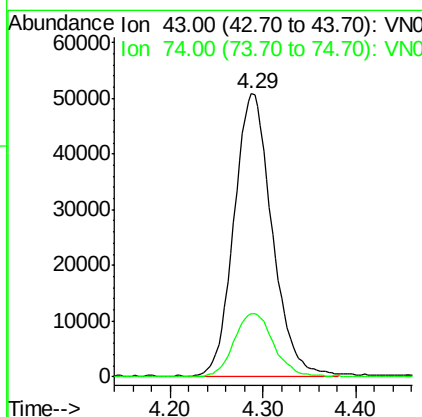
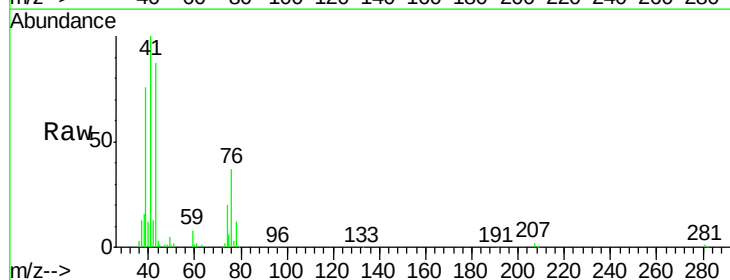
Manual Integrations
APPROVED

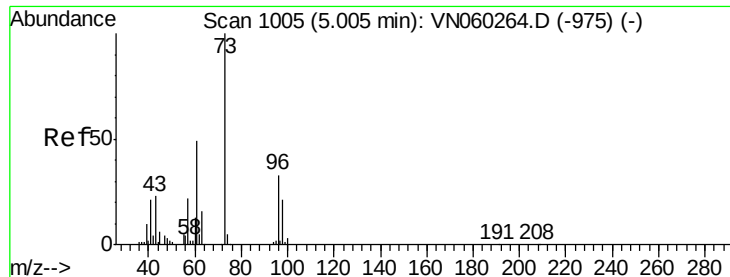
MMDadoda
2/28/2020 12:31:13 PM



#18
Methyl Acetate
Concen: 61.801 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.8	28.2





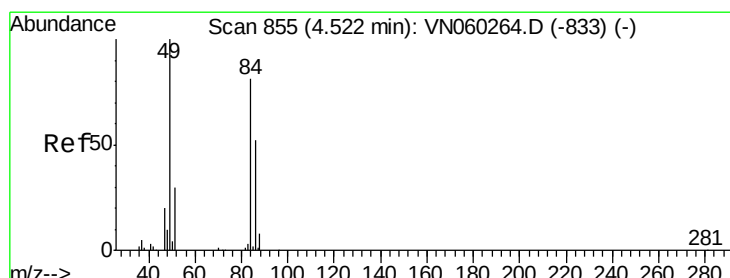
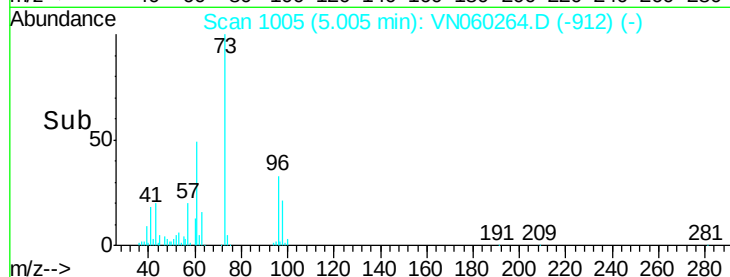
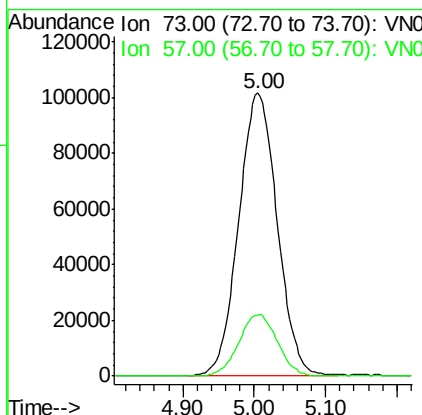
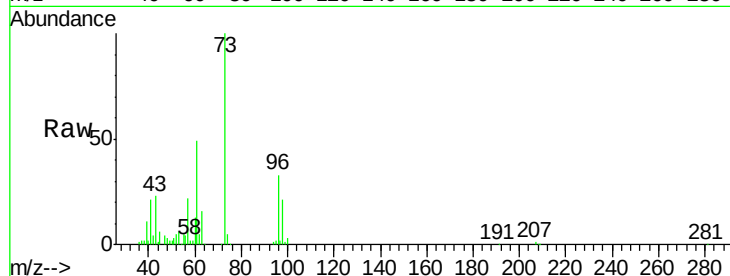
#19
Methyl tert-butyl Ether
Concen: 52.501 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	73	Resp	377908
Ion Ratio	Lower	Upper	
73	100		
57	21.6	17.3	25.9

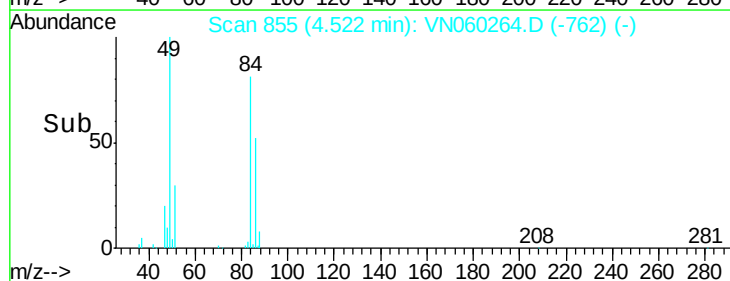
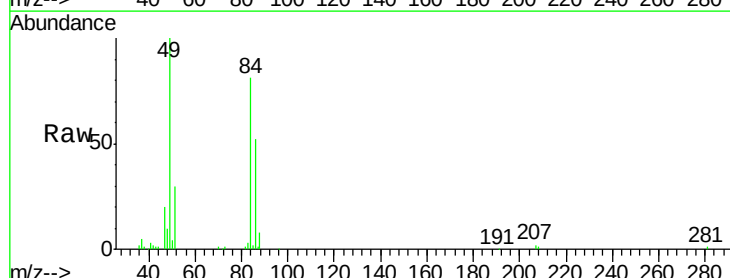
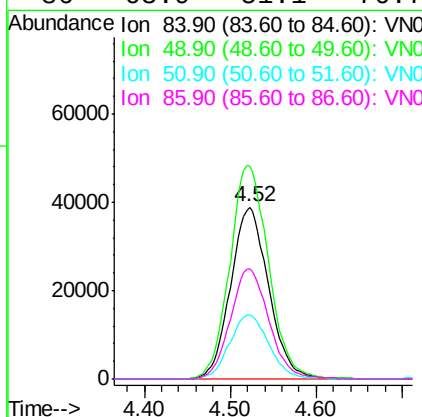
Manual Integrations
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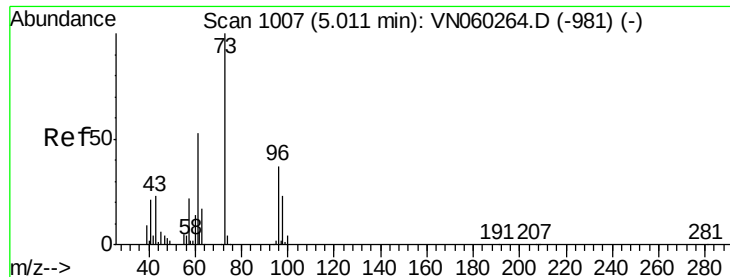
MMDadoda
2/28/2020 12:31:13 PM



#20
Methylene Chloride
Concen: 50.226 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	84	Resp	119513
Ion Ratio	Lower	Upper	
84	100		
49	124.1	99.3	148.9
51	37.6	30.1	45.1
86	63.9	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 49.645 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

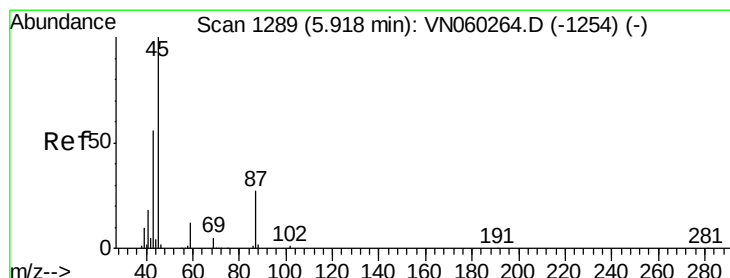
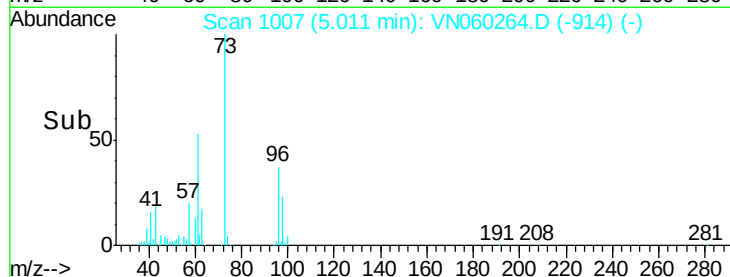
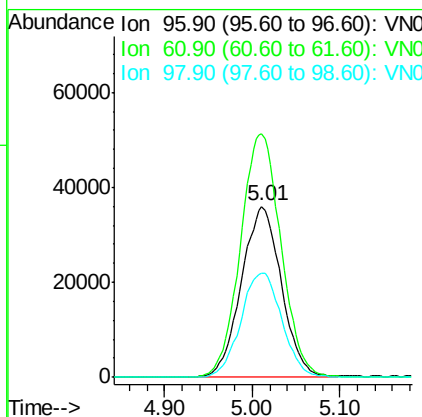
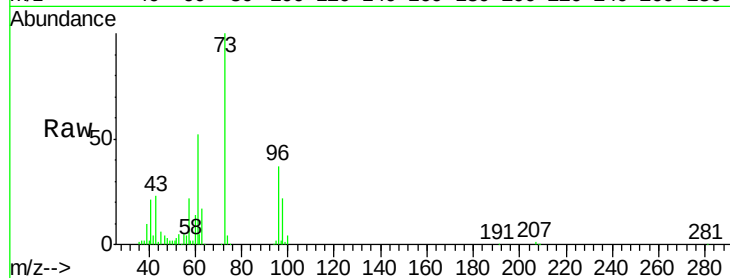
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	114312
Ion	Ratio	Lower	Upper
96	100		
61	142.3	113.8	170.8
98	61.0	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.090 ug/l

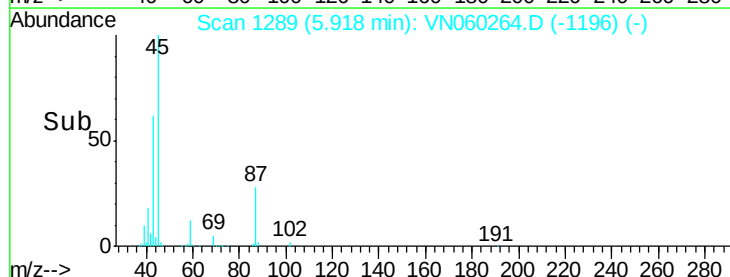
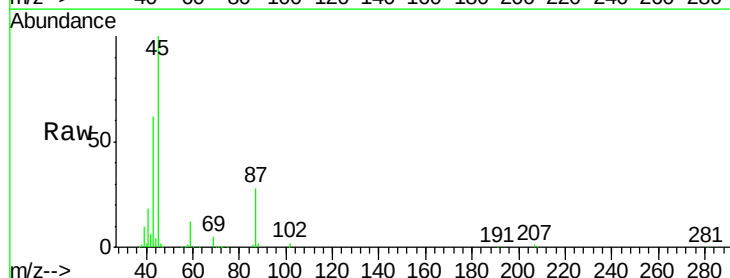
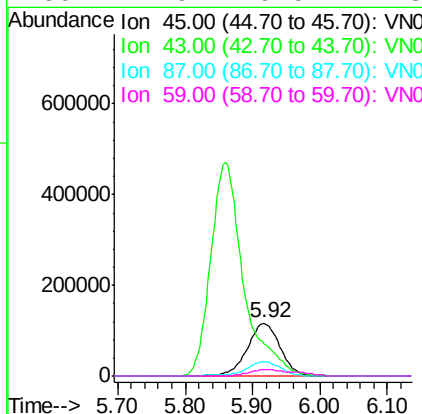
RT: 5.92 min Scan# 1289

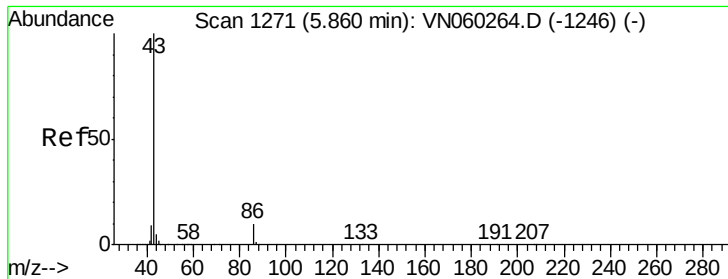
Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion:	45	Resp:	392773
Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	27.7	22.2	33.2
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 276.639 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1610439

Ion Ratio Lower Upper

43 100

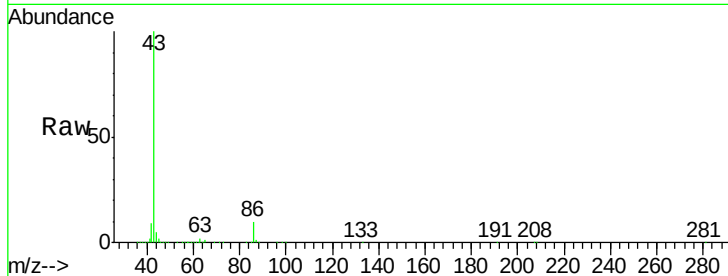
86 10.0 8.0 12.0

Manual Integrations

APPROVED

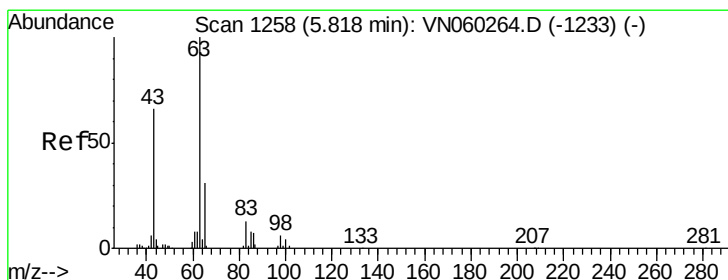
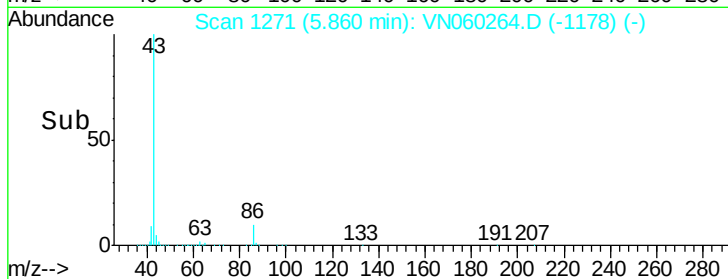
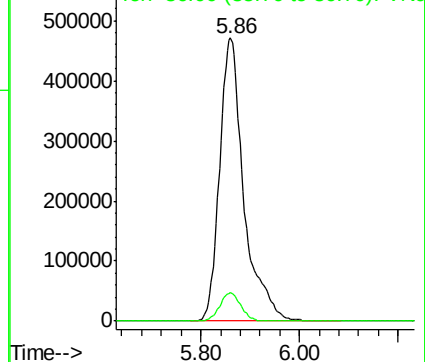
MMDadoda

2/28/2020 12:31:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.739 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

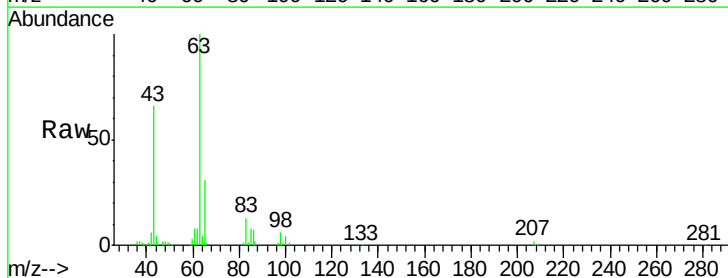
Tgt Ion: 63 Resp: 220691

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

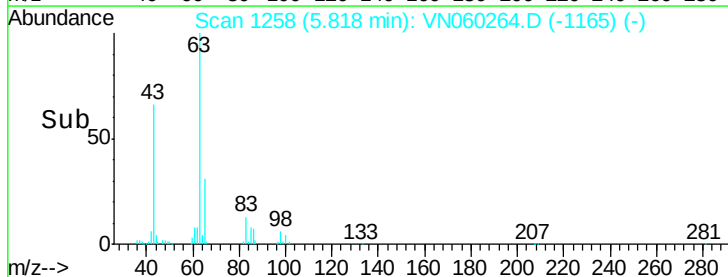
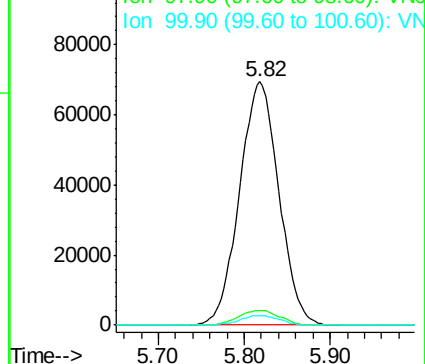
100 4.0 2.0 6.0

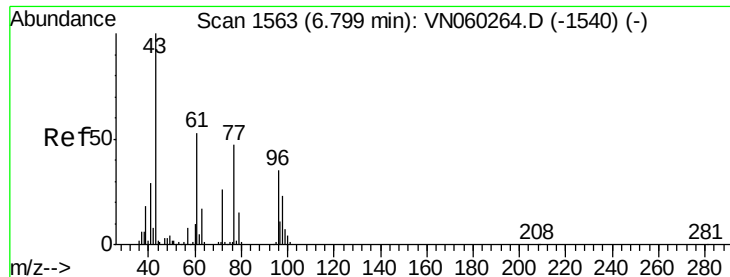


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





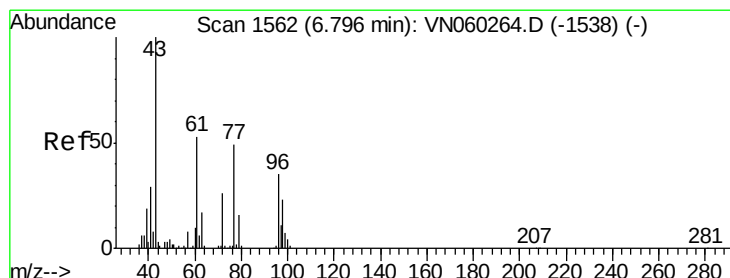
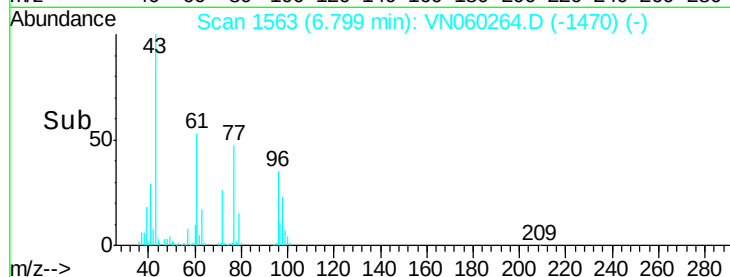
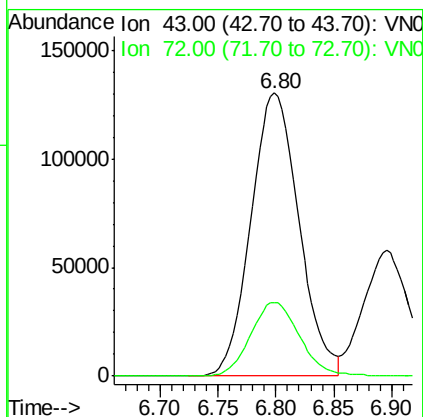
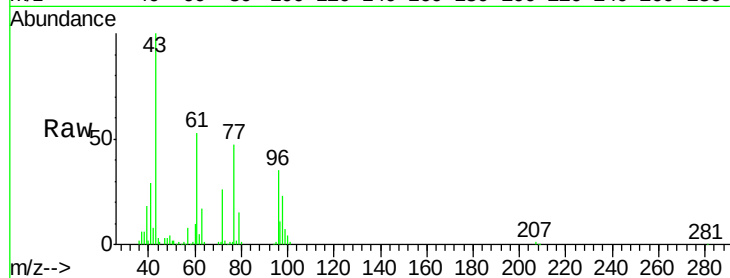
#25
2-Butanone
Concen: 253.581 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.1	20.9	31.3

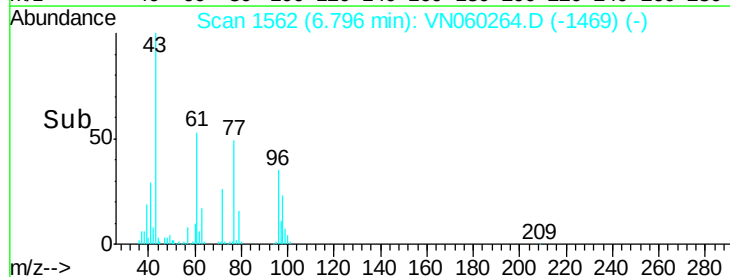
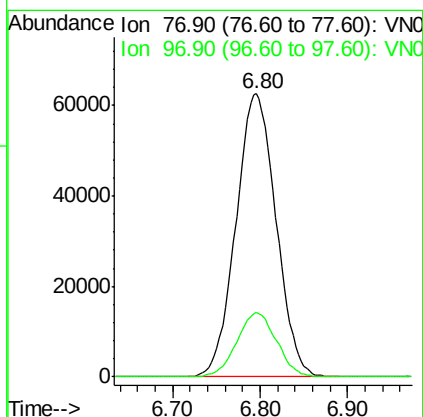
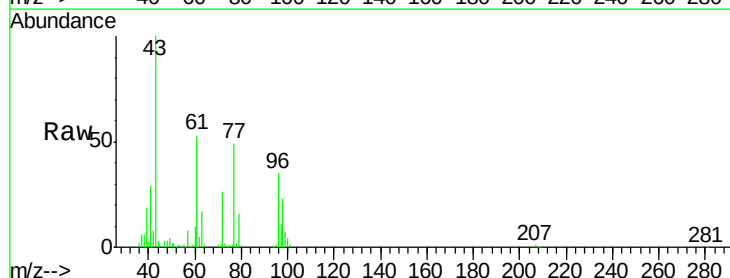
Manual Integrations
APPROVED

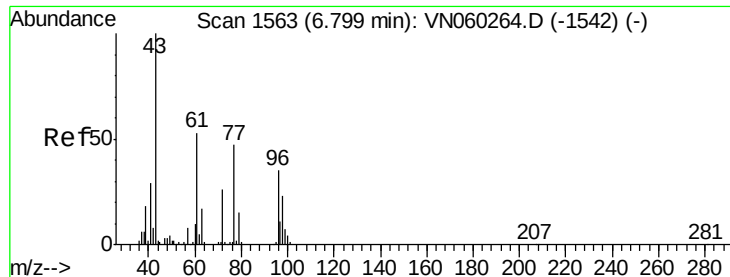
MMDadoda
2/28/2020 12:31:13 PM



#26
2,2-Dichloropropane
Concen: 50.515 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 49.732 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

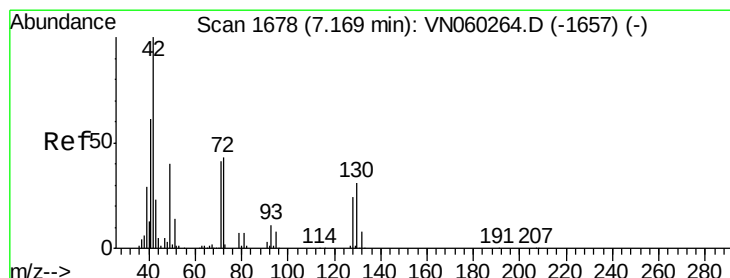
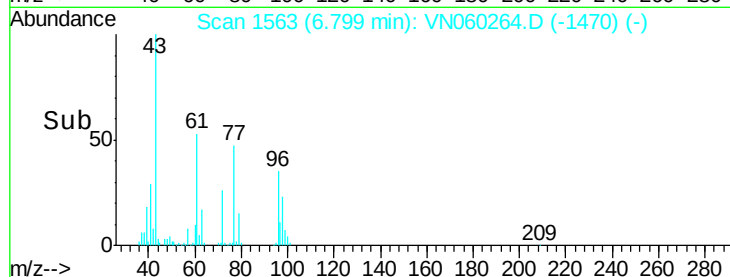
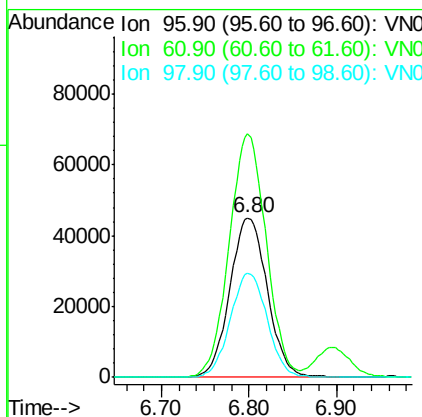
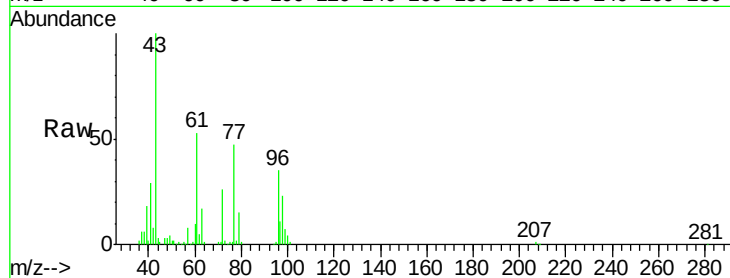
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	134370
Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	300.8
98	64.1	0.0	128.2

Manual Integrations
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2/28/2020 12:31:13 PM



#28

Bromochloromethane

Concen: 51.981 ug/l

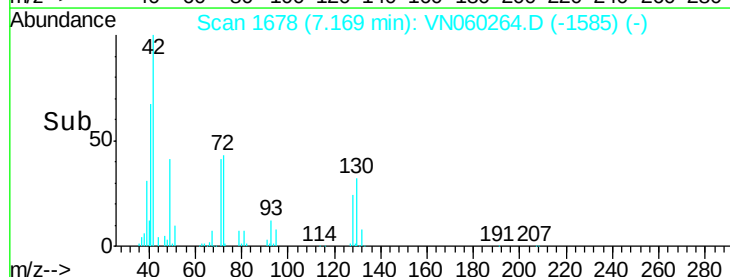
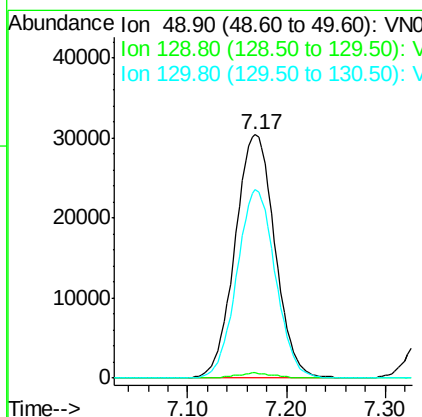
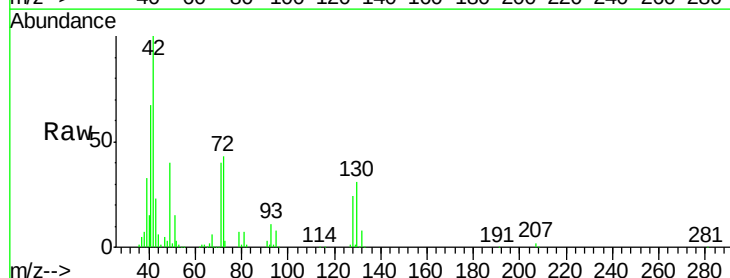
RT: 7.17 min Scan# 1678

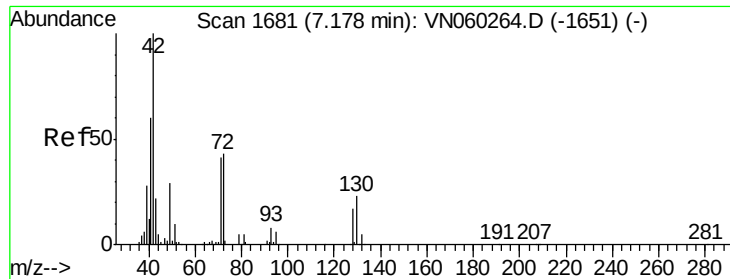
Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion:	49	Resp:	85105
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	74.8	59.8	89.8





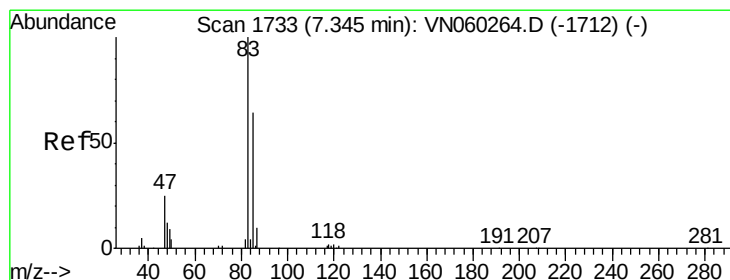
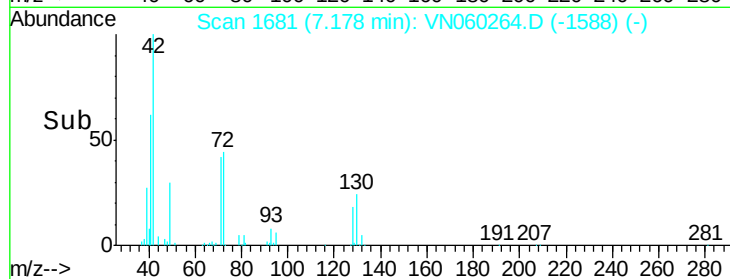
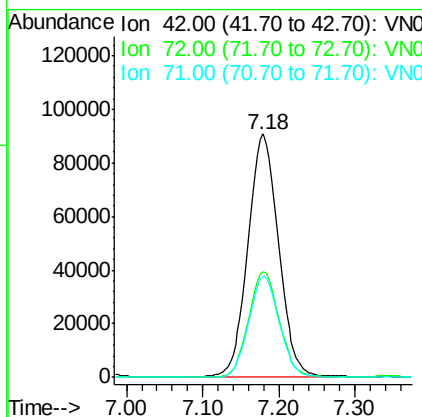
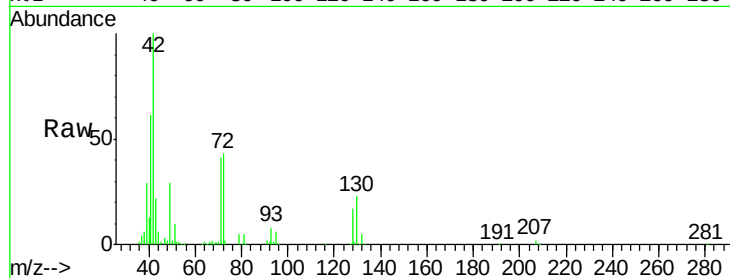
#29
Tetrahydrofuran
Concen: 275.189 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	41.1	32.9	49.3

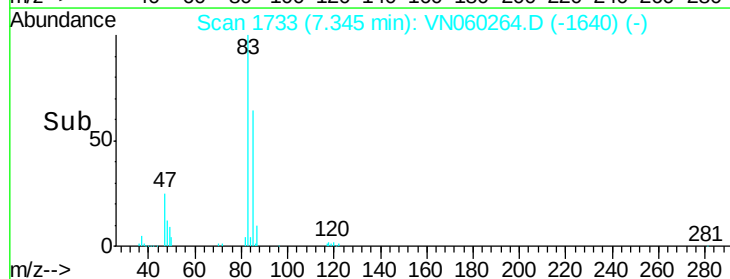
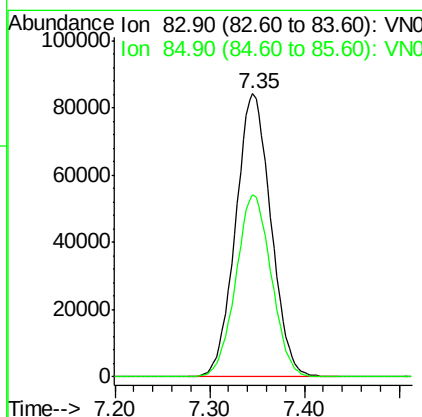
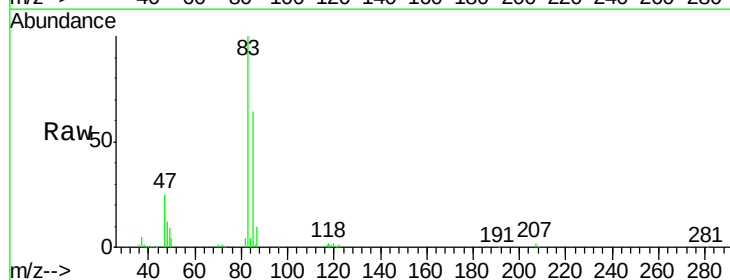
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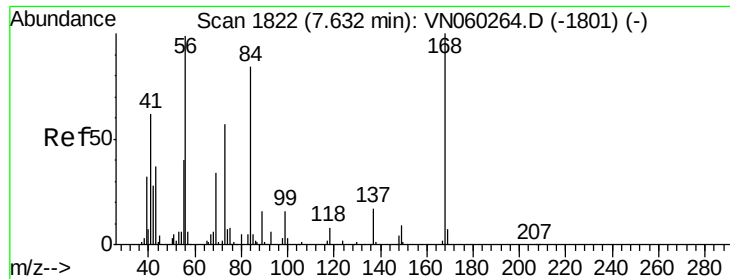
MMDadoda
2/28/2020 12:31:13 PM



#30
Chloroform
Concen: 50.361 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





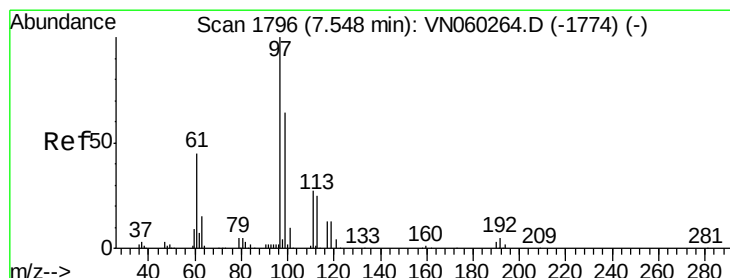
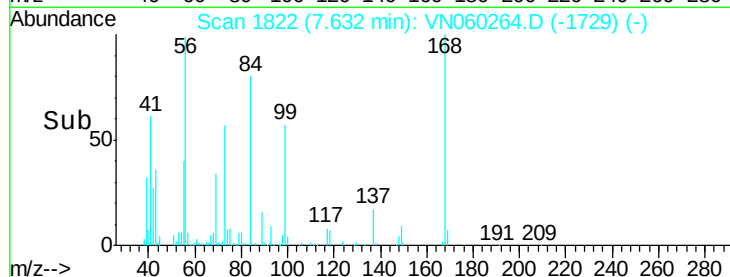
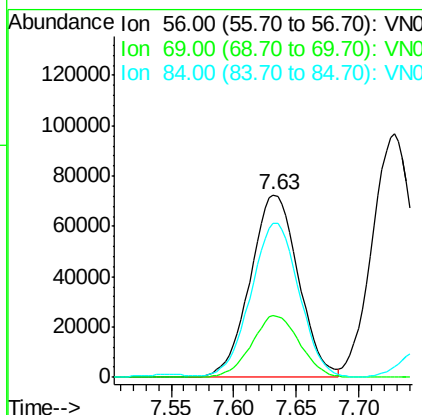
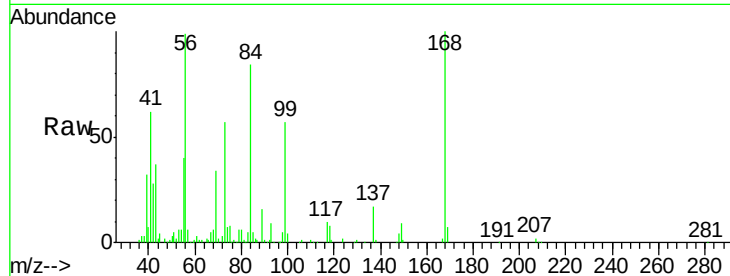
#31
Cyclohexane
Concen: 49.994 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	83.4	66.7	100.1

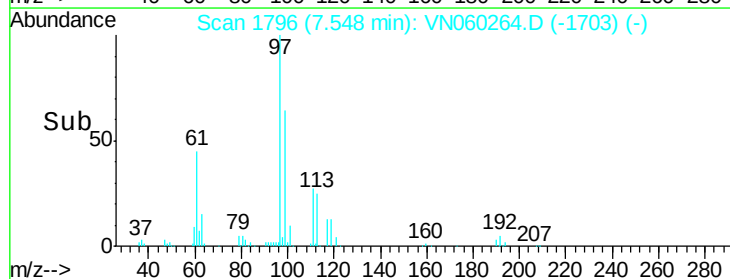
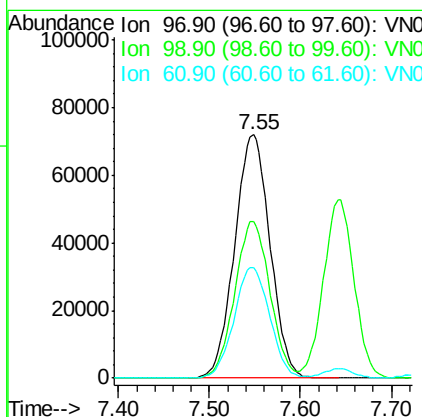
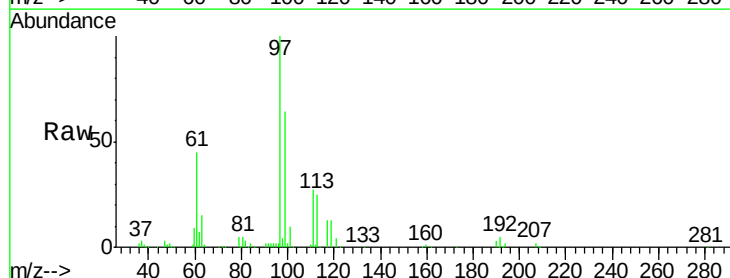
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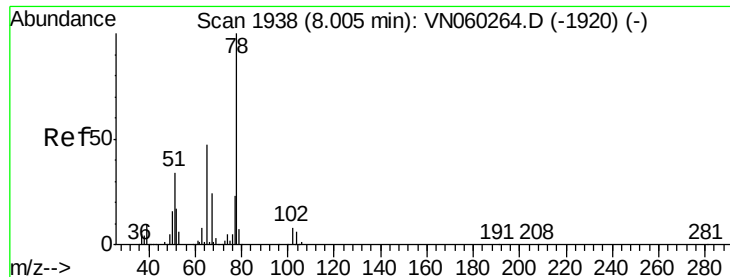
MMDadoda
2/28/2020 12:31:13 PM



#32
1,1,1-Trichloroethane
Concen: 49.364 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	45.8	36.6	55.0





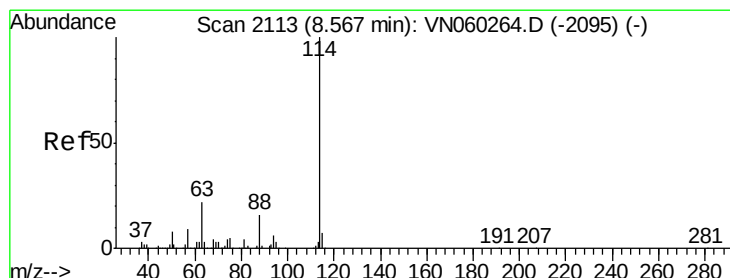
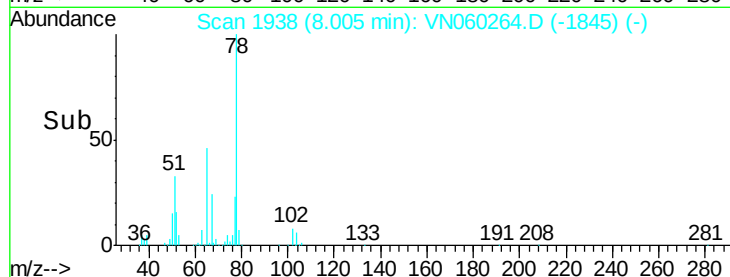
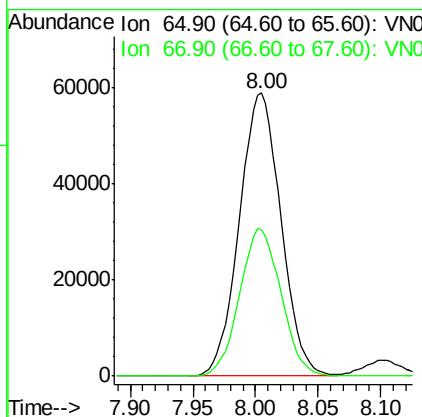
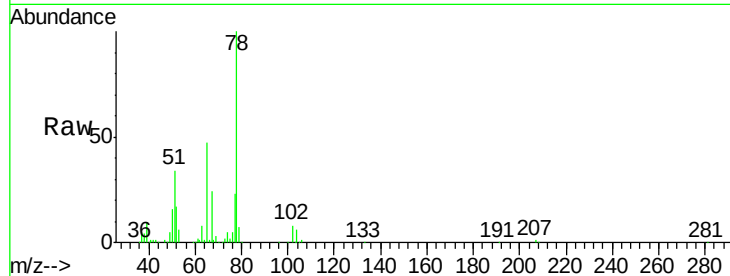
#33
 1,2-Dichloroethane-d4
 Concen: 50.133 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	103.8	

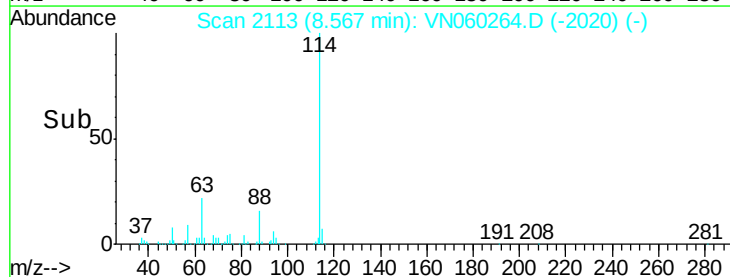
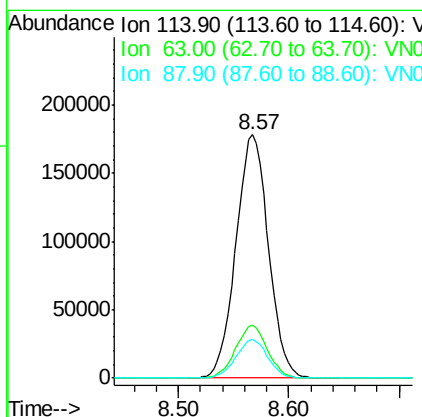
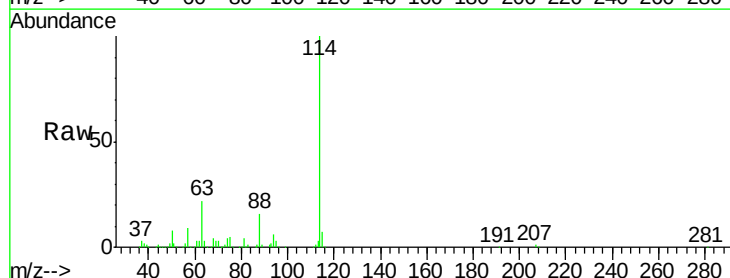
Manual Integrations
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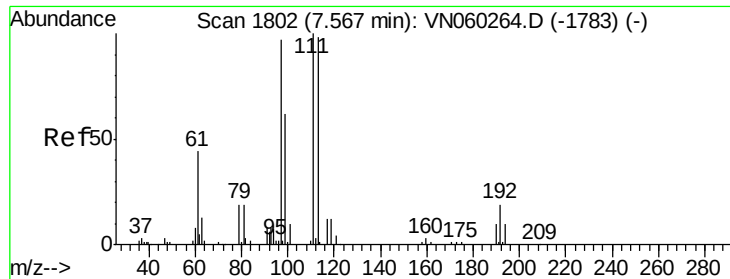
MMDadoda
 2/28/2020 12:31:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.6	0.0	43.2	
88	15.8	0.0	31.6	





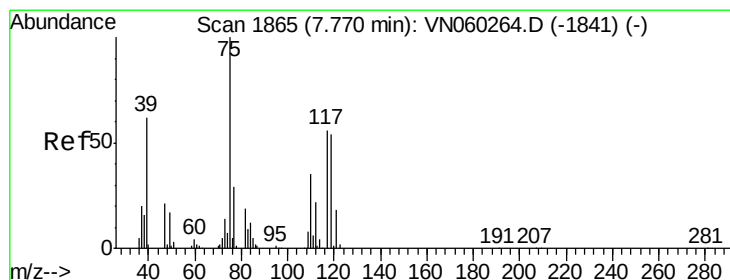
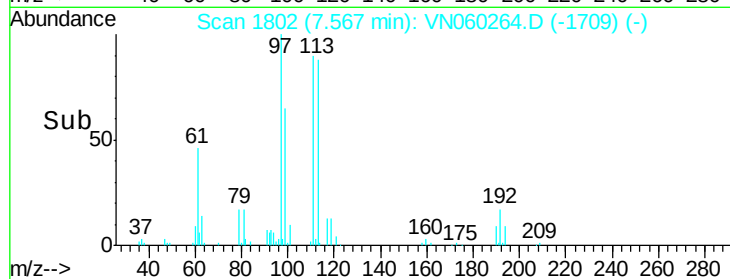
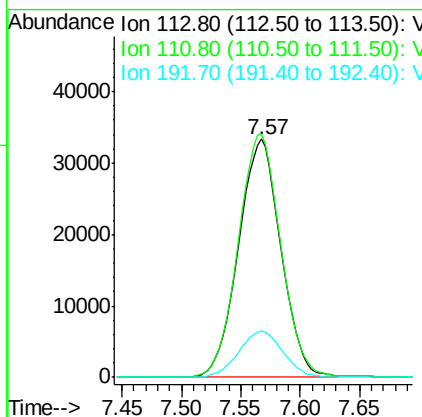
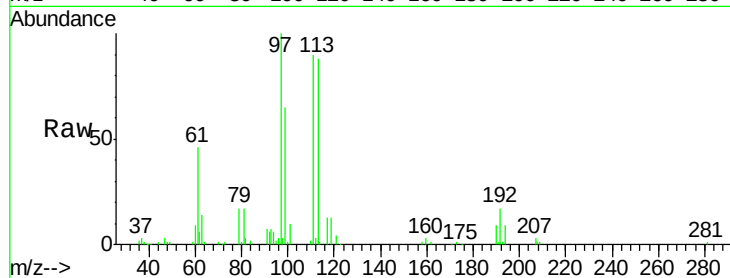
#35
Dibromofluoromethane
Concen: 39.037 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	20.2	16.2	24.2

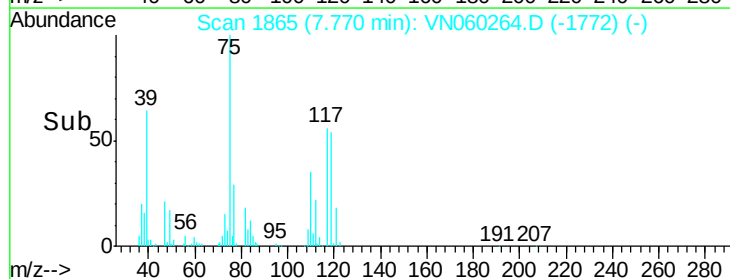
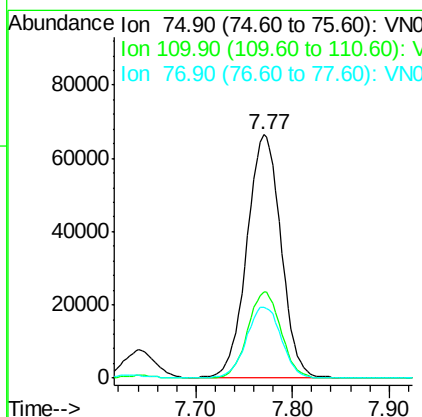
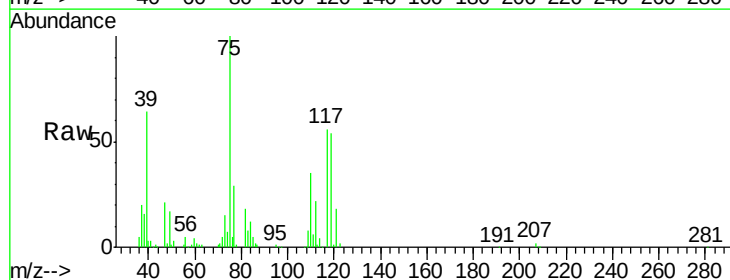
Manual Integrations
APPROVED

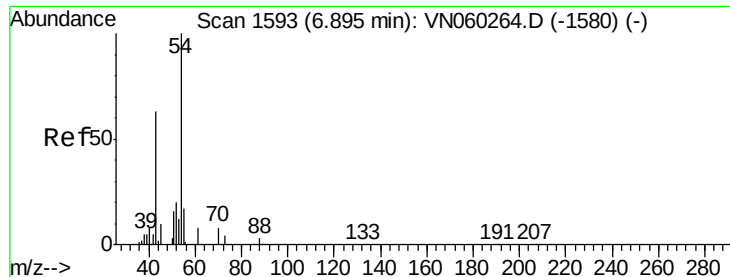
MMDadoda
2/28/2020 12:31:13 PM



#36
1,1-Dichloropropene
Concen: 48.281 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.3	52.0
77	30.2	24.2	36.2





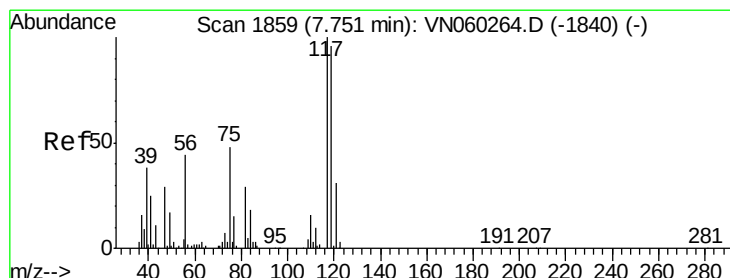
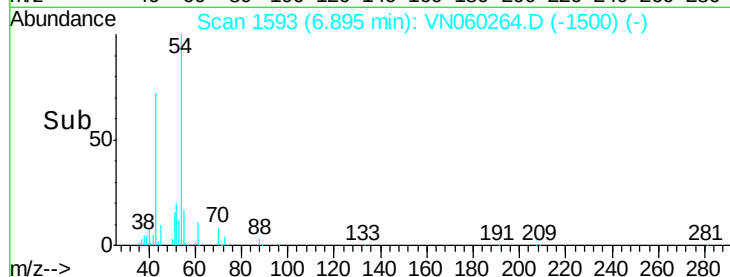
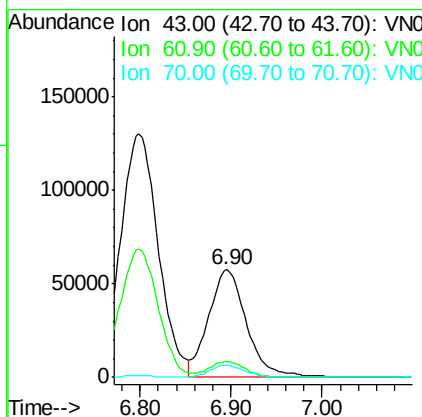
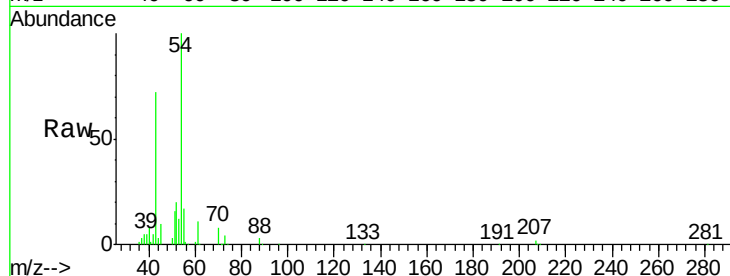
#37
Ethyl Acetate
Concen: 53.185 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	10.5	8.4	12.6

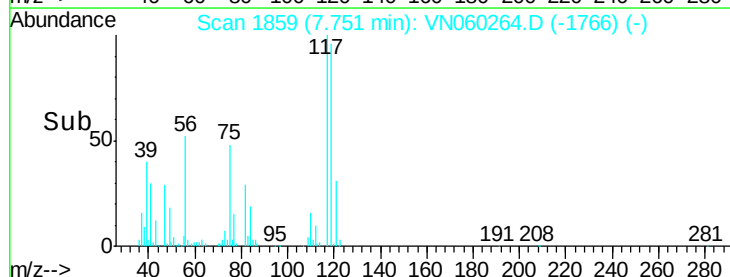
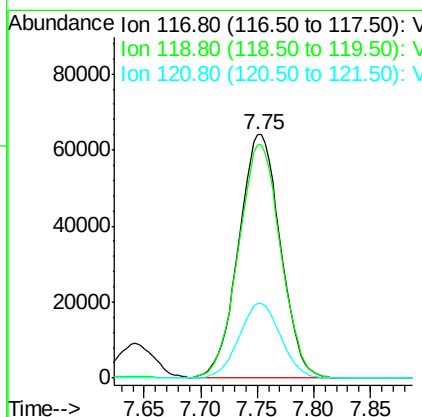
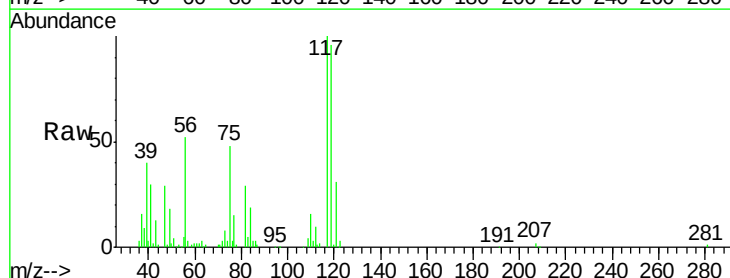
Manual Integrations
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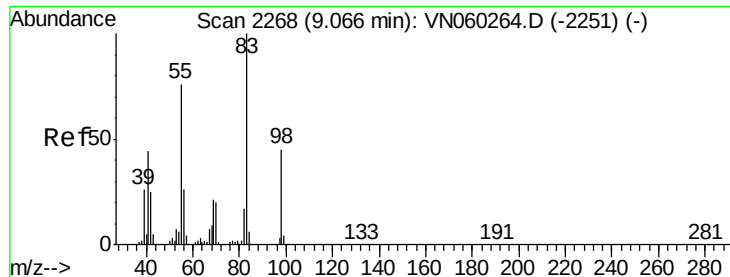
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#38
Carbon Tetrachloride
Concen: 45.668 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.6	24.5	36.7





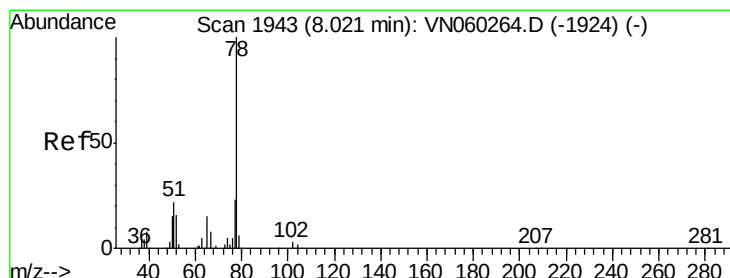
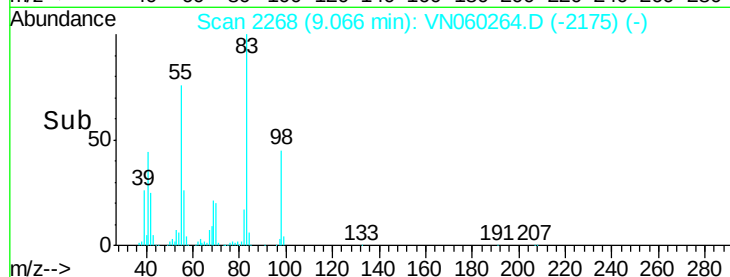
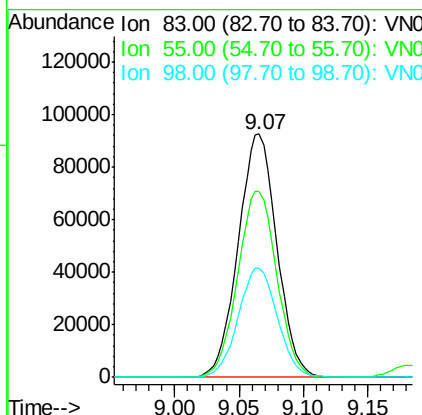
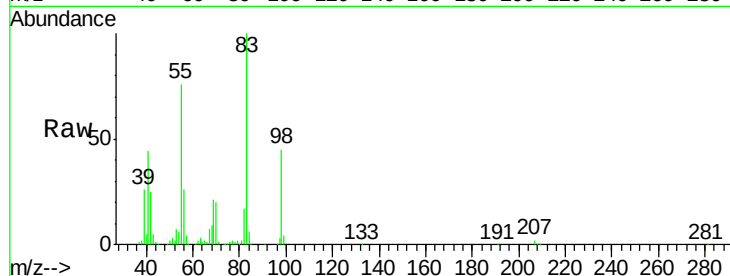
#39
Methylvlcyclohexane
Concen: 46.658 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.0	91.4
98	45.1	36.1	54.1

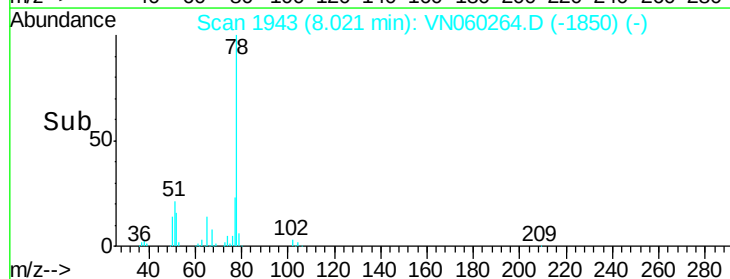
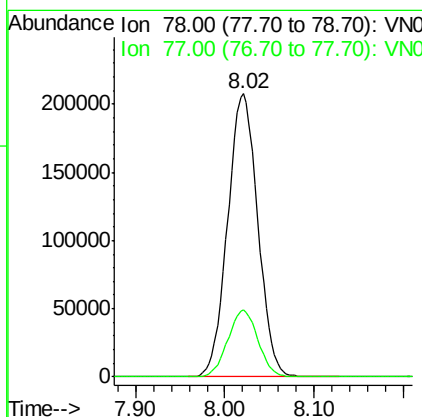
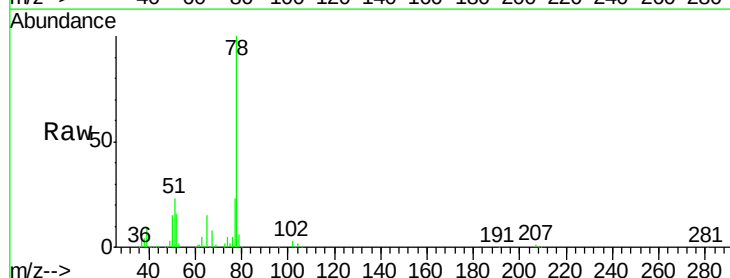
Manual Integrations
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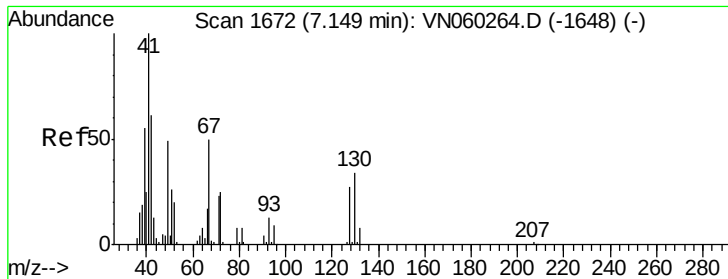
MMDadoda
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#40
Benzene
Concen: 48.733 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 59.446 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 77609

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

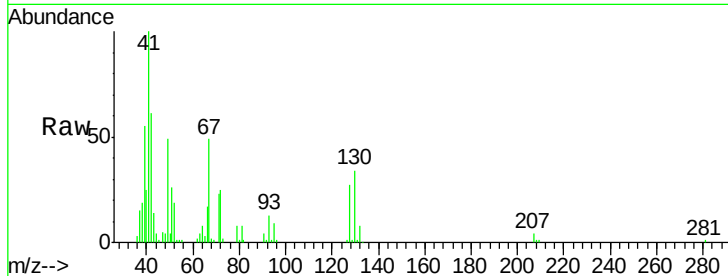
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

2/28/2020 12:31:13 PM

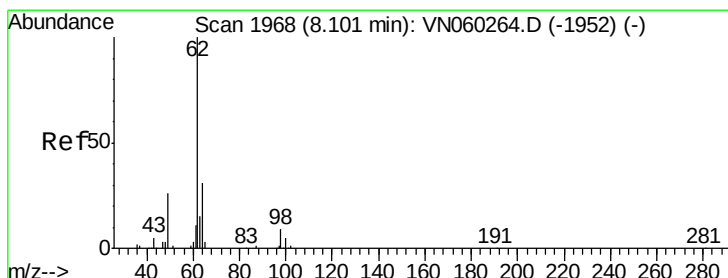
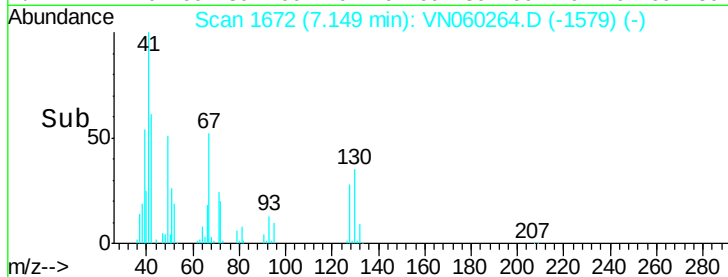
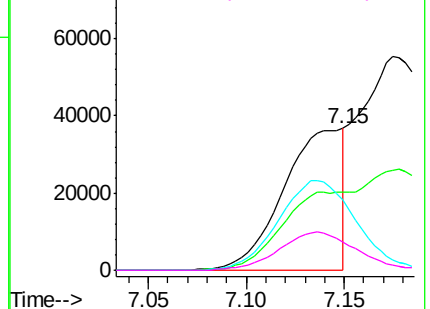


Abundance Ion 41.00 (40.70 to 41.70): VN060264.D (-1648) (-)

Ion 39.00 (38.70 to 39.70): VN060264.D (-1648) (-)

Ion 67.00 (66.70 to 67.70): VN060264.D (-1648) (-)

Ion 52.00 (51.70 to 52.70): VN060264.D (-1648) (-)



#42

1,2-Dichloroethane

Concen: 50.612 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN060264.D

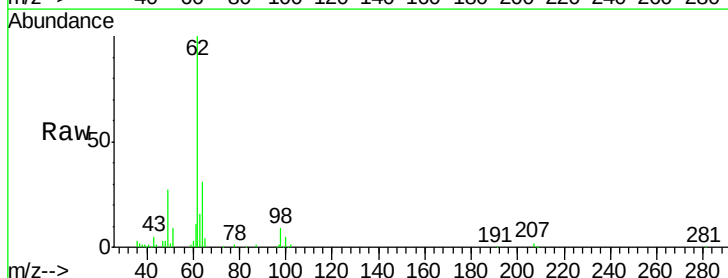
Acq: 27 Feb 2020 11:29

Tgt Ion: 62 Resp: 177742

Ion Ratio Lower Upper

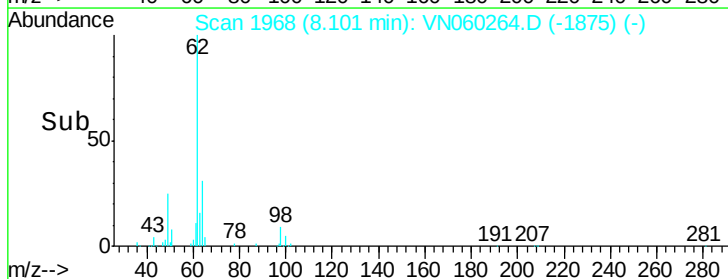
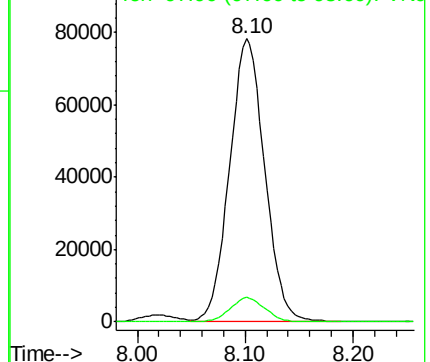
62 100

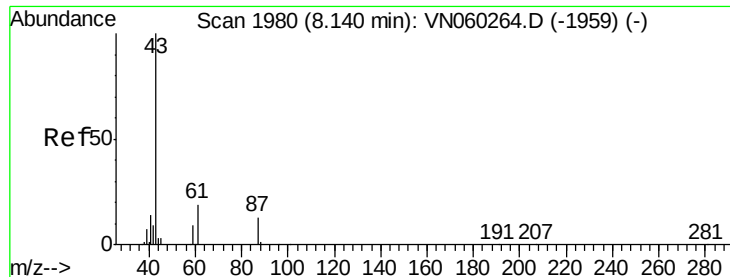
98 8.5 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VN060264.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1952) (-)





#43

Isopropyl Acetate

Concen: 53.962 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

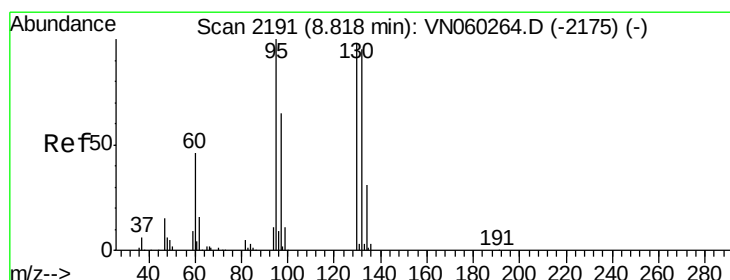
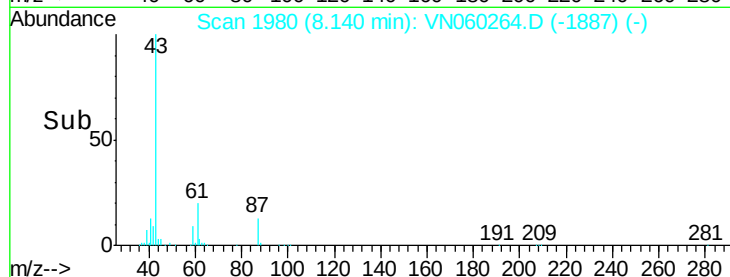
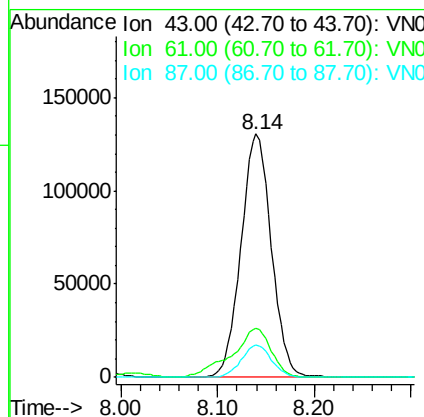
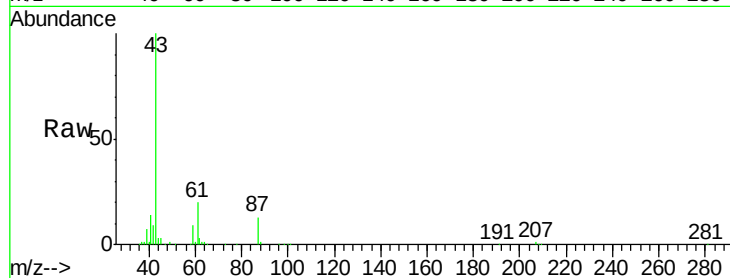
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	285053
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	13.3	10.6	16.0

Manual Integrations
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MMDadoda
2/28/2020 12:31:13 PM



#44

Trichloroethene

Concen: 48.166 ug/l

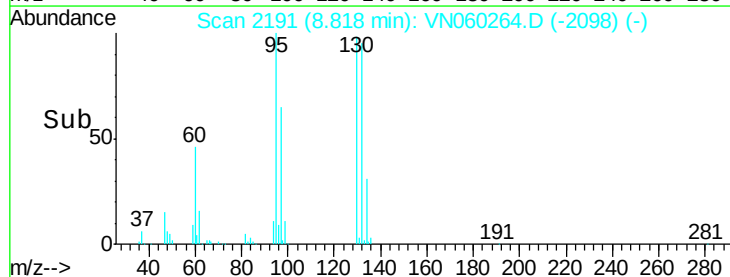
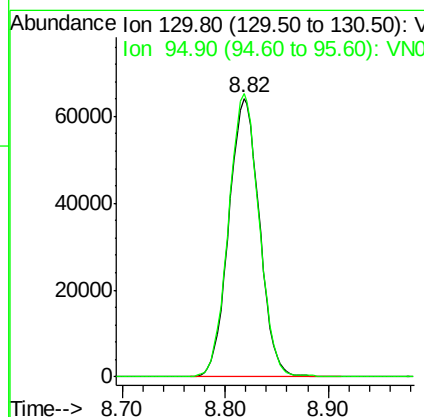
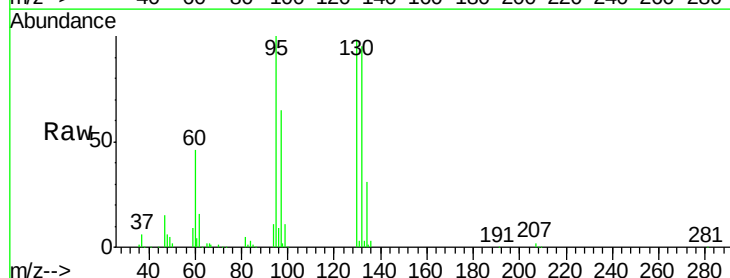
RT: 8.82 min Scan# 2191

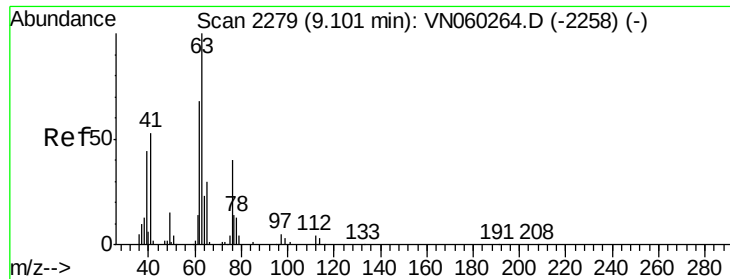
Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion:	130	Resp:	132792
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	203.4





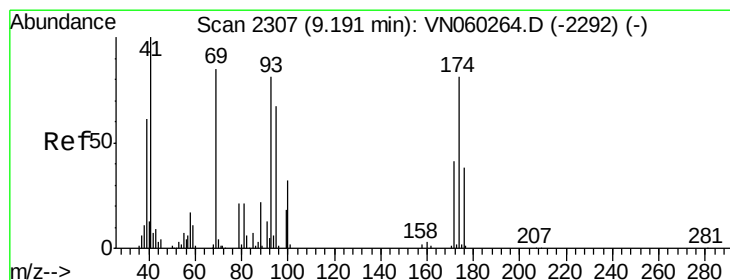
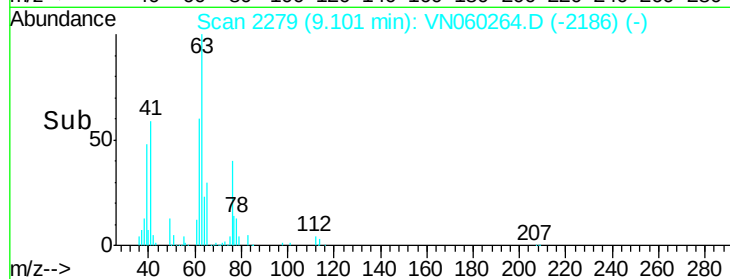
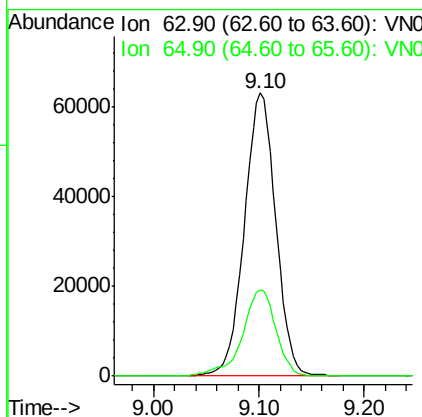
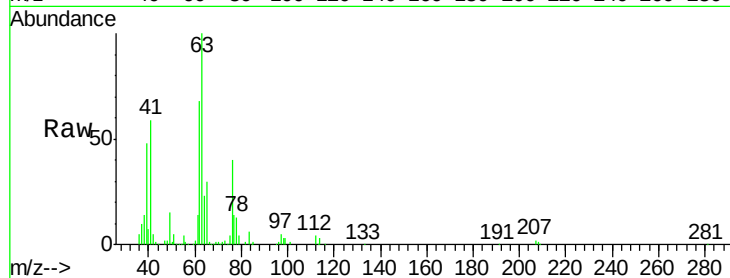
#45
 1,2-Dichloropropane
 Concen: 52.414 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.4	36.6

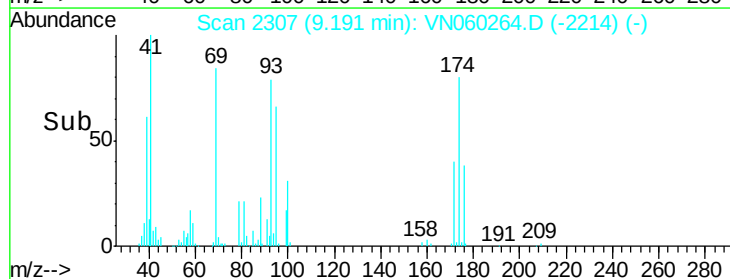
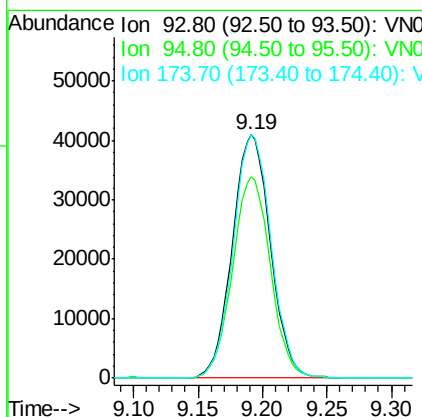
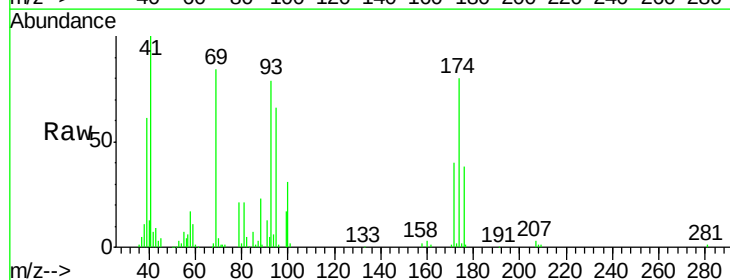
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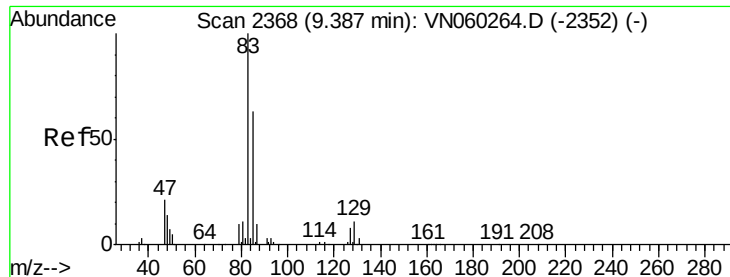
MMDadoda
 2/28/2020 12:31:13 PM



#46
 Dibromomethane
 Concen: 48.460 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.9	98.9
174	99.5	79.6	119.4





#47

Bromodichloromethane

Concen: 48.986 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

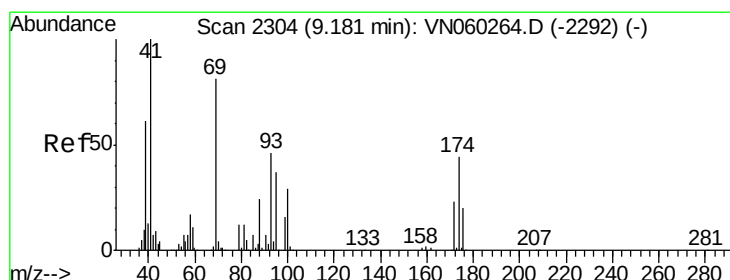
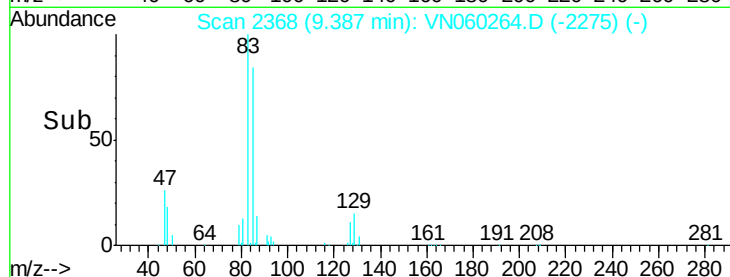
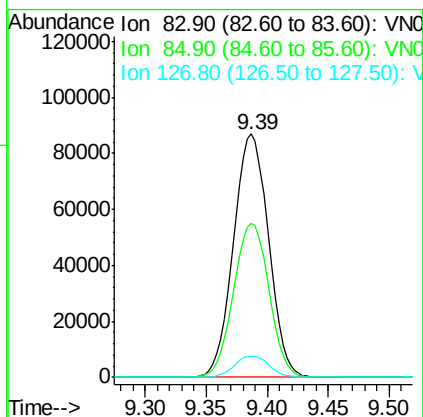
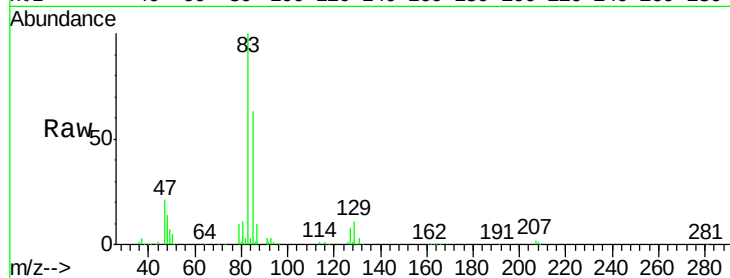
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	173277
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	8.5	6.8	10.2

Manual Integrations
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MMDadoda
2/28/2020 12:31:13 PM



#48

Methyl methacrylate

Concen: 54.294 ug/l

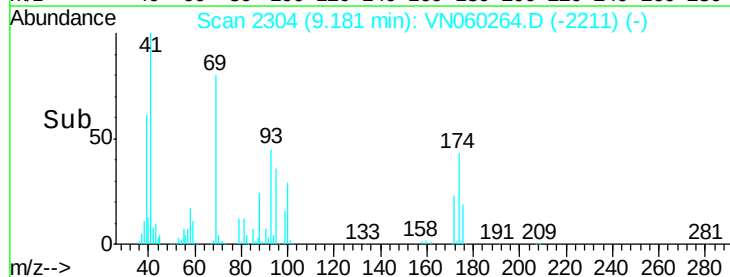
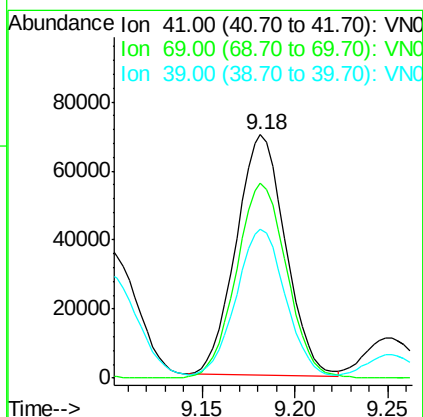
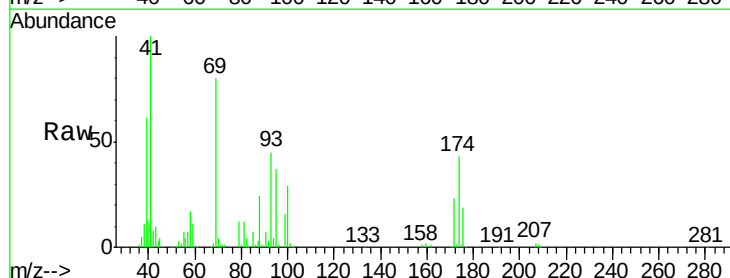
RT: 9.18 min Scan# 2304

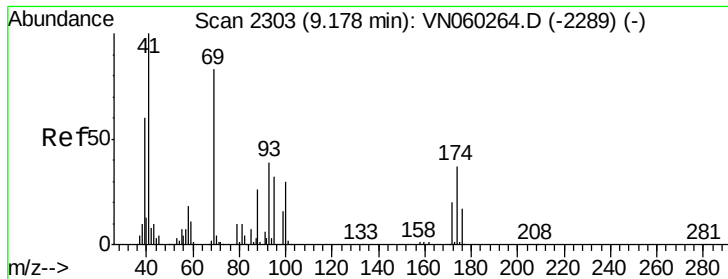
Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion:	41	Resp:	128582
Ion	Ratio	Lower	Upper
41	100		
69	83.4	66.7	100.1
39	62.6	50.1	75.1





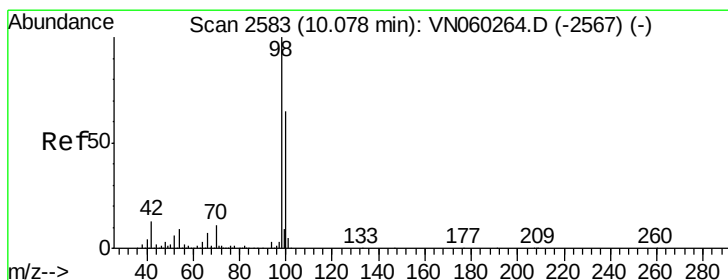
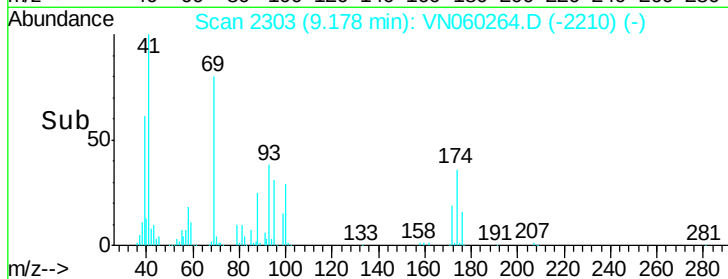
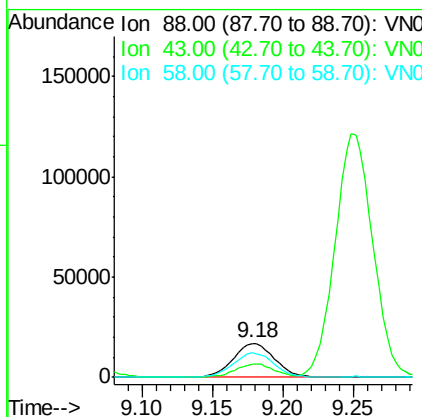
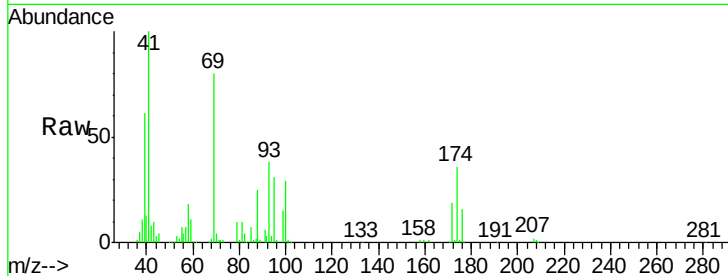
#49
1,4-Dioxane
Concen: 906.227 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.4	45.6
58	71.3	57.0	85.6

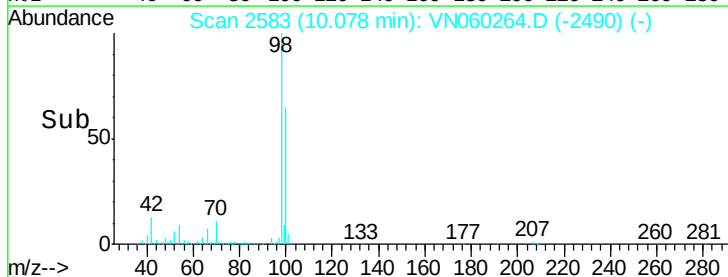
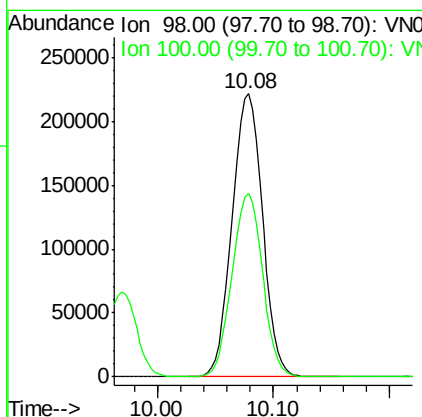
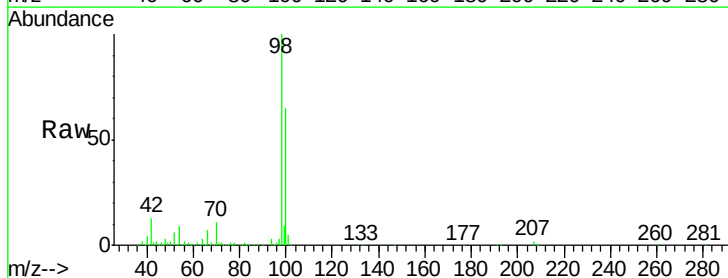
Manual Integrations
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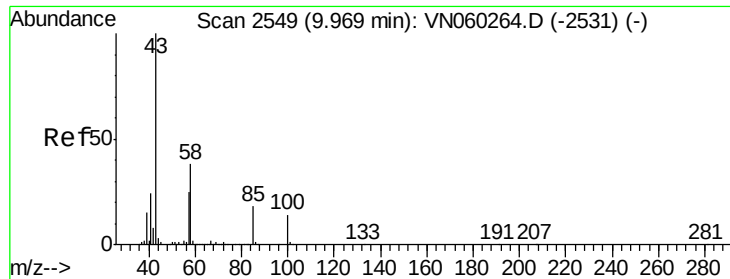
MMDadoda
2/28/2020 12:31:13 PM



#50
Toluene-d8
Concen: 46.517 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





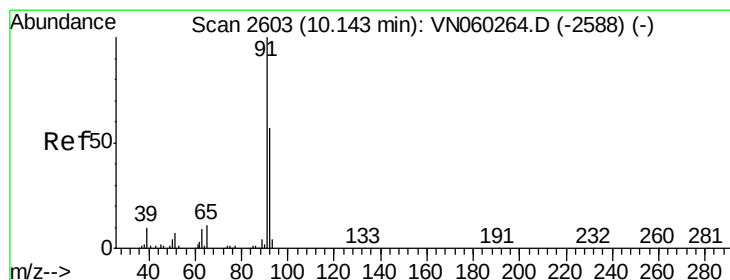
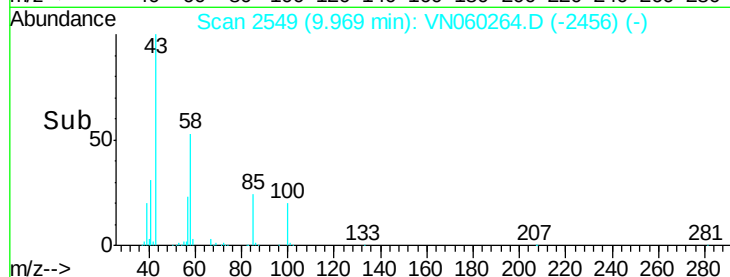
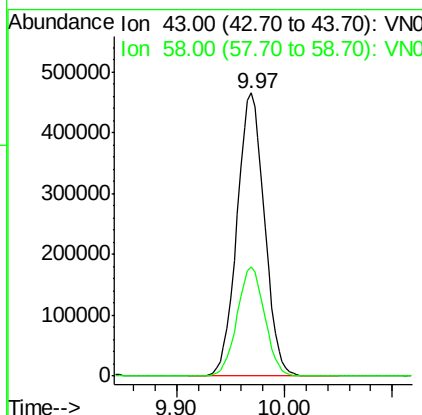
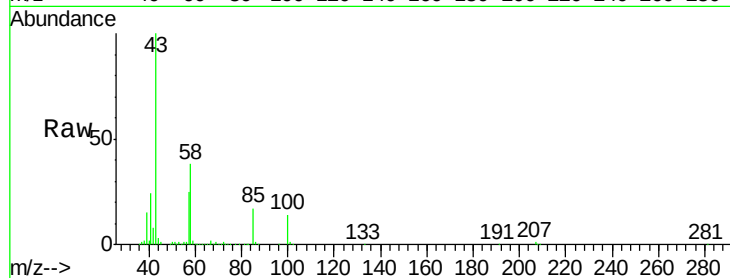
#51
 4-Methyl-2-Pentanone
 Concen: 271.787 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.9	46.3

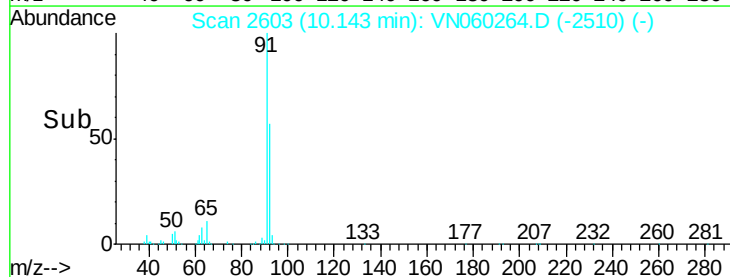
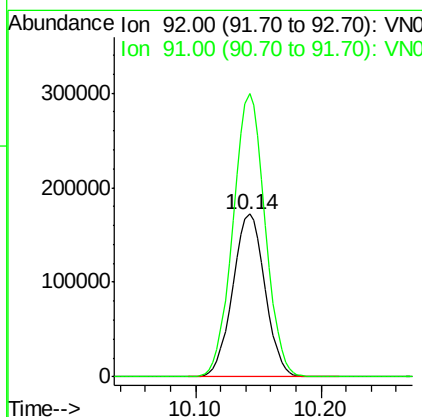
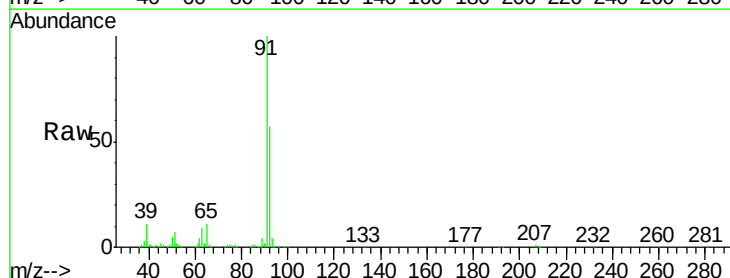
Manual Integrations
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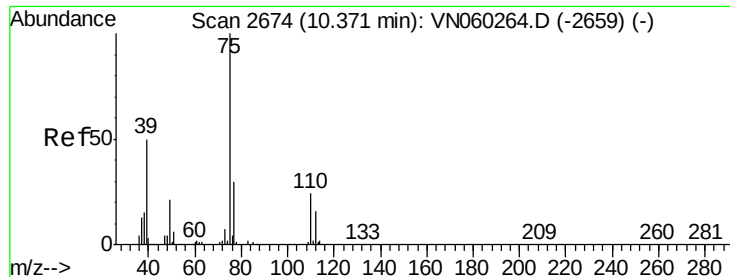
MMDadoda
 2/28/2020 12:31:13 PM



#52
 Toluene
 Concen: 48.324 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.1	207.1





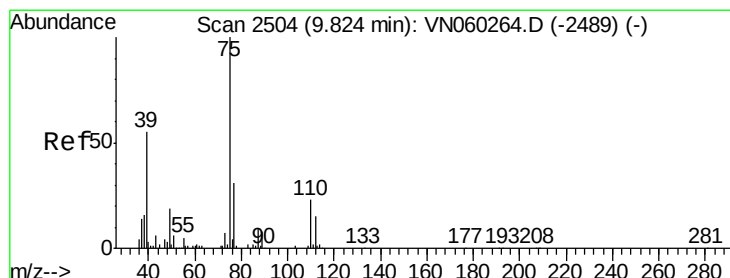
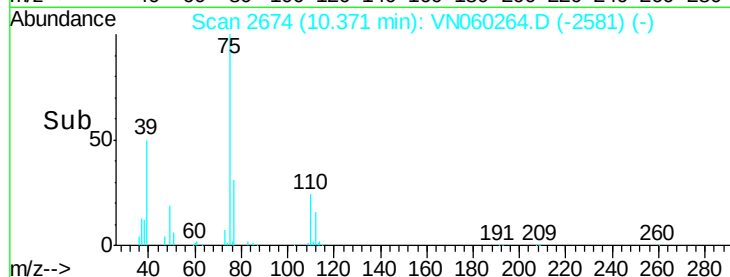
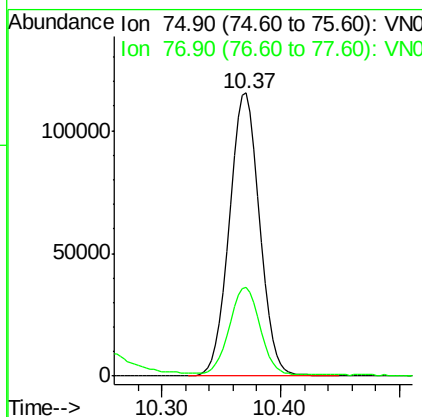
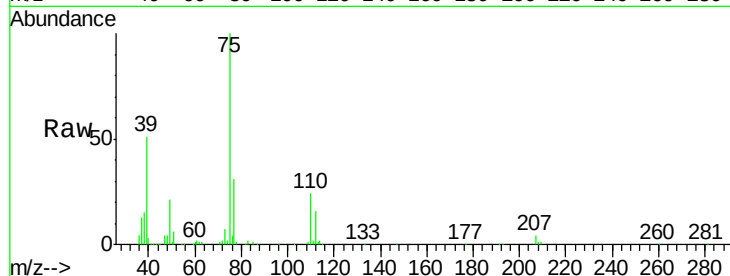
#53
t-1,3-Dichloropropene
Concen: 50.817 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2

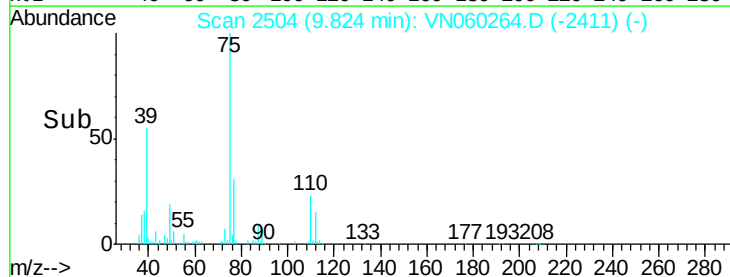
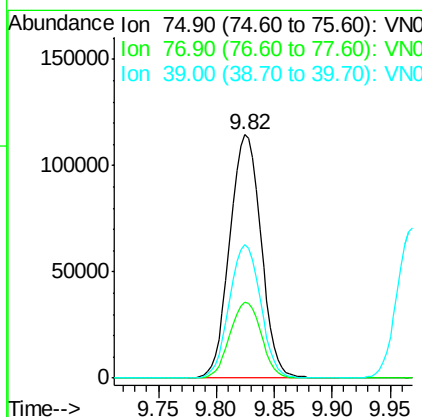
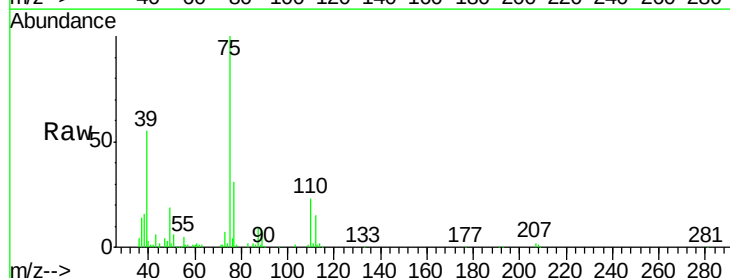
Manual Integrations
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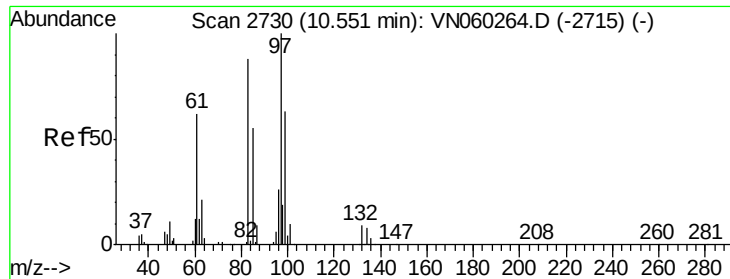
MMDadoda
2/28/2020 12:31:13 PM



#54
cis-1,3-Dichloropropene
Concen: 50.635 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2
39	54.8	43.8	65.8





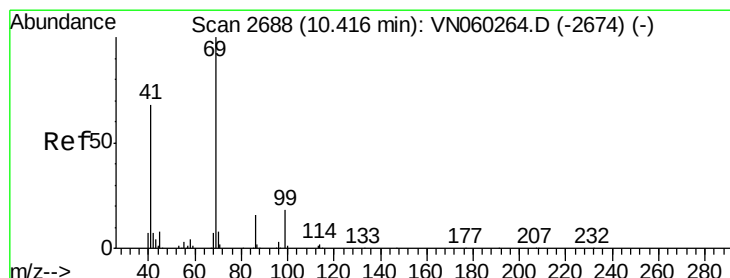
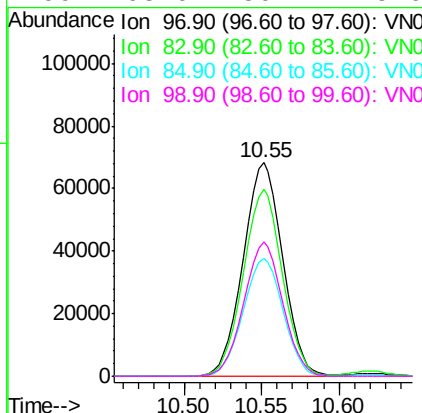
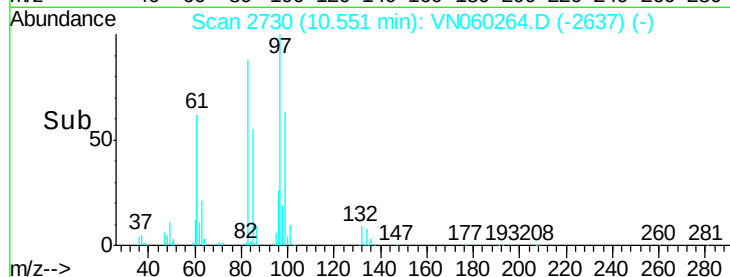
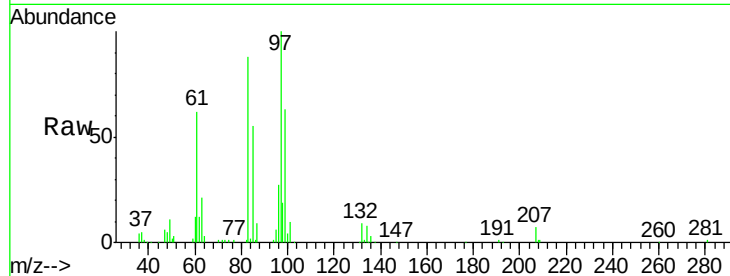
#55
 1,1,2-Trichloroethane
 Concen: 48.867 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:	97	Resp:	121544
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	55.0	44.0	66.0
99	63.0	50.4	75.6

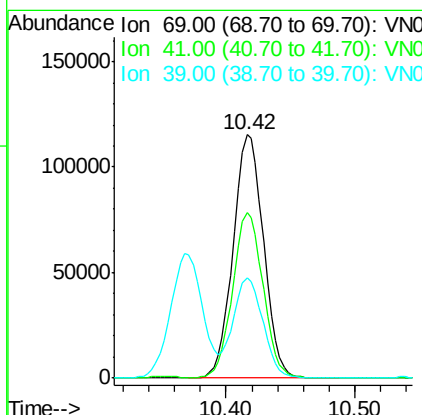
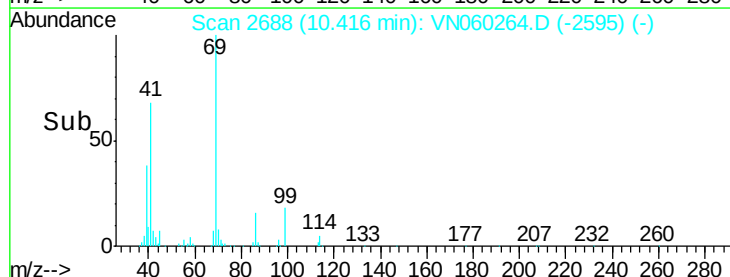
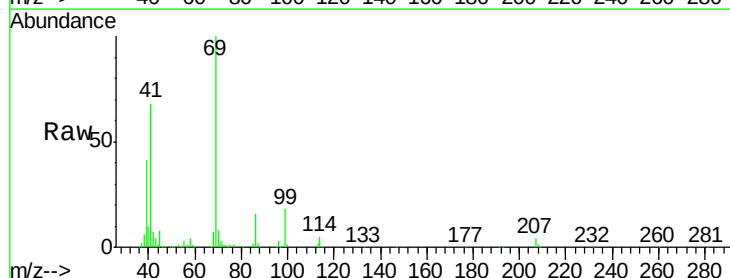
Manual Integrations
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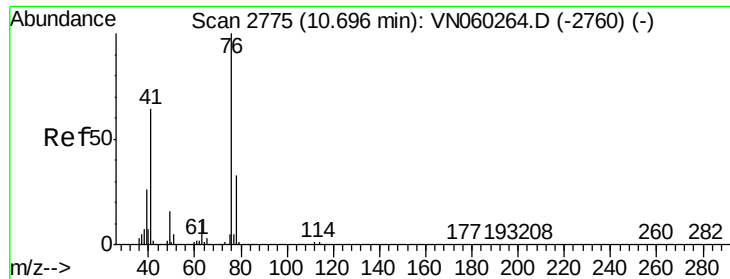
MMDadoda
 2/28/2020 12:31:13 PM



#56
 Ethyl methacrylate
 Concen: 53.327 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Tgt Ion:	69	Resp:	189138
Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.1	81.1
39	40.6	32.5	48.7





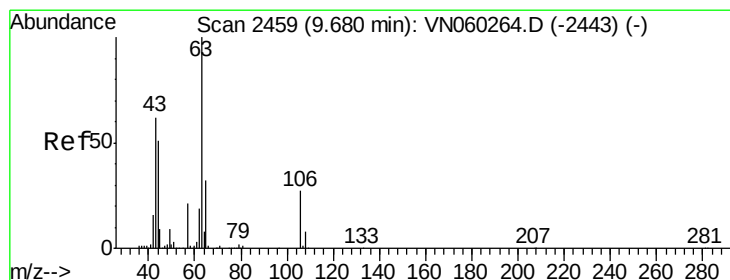
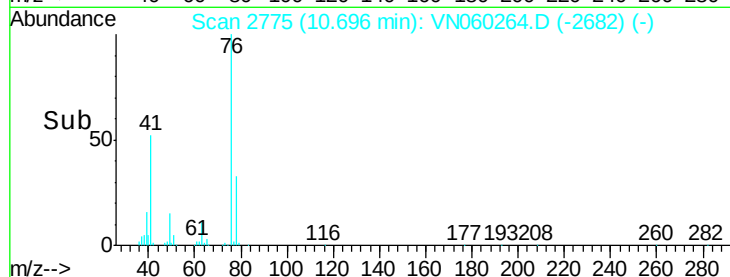
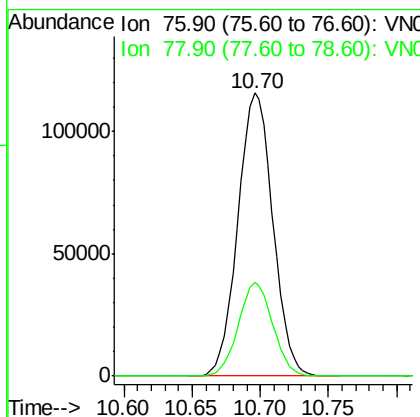
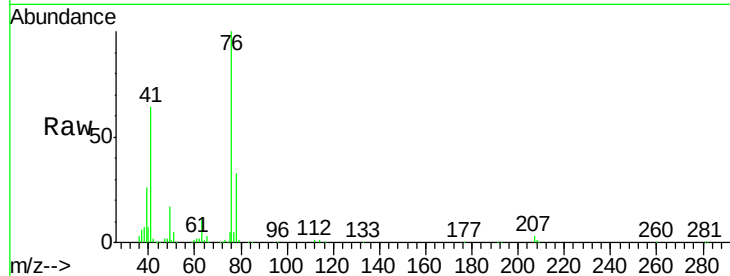
#57
 1,3-Dichloropropane
 Concen: 49.794 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.2

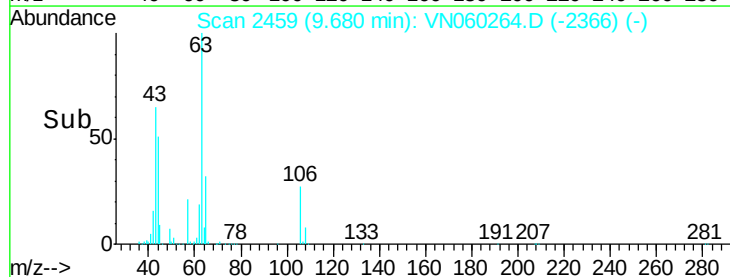
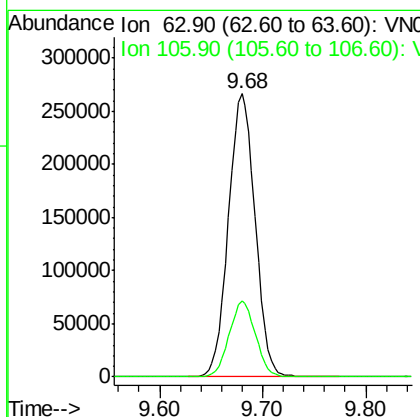
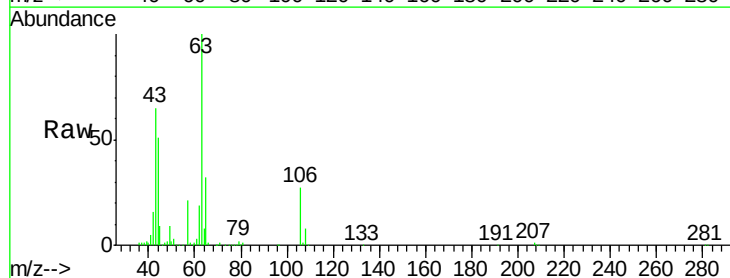
Manual Integrations
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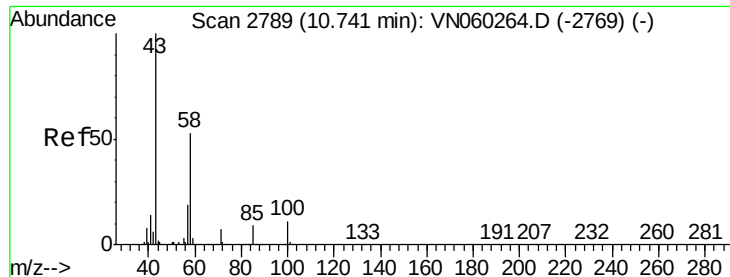
MMDadoda
 2/28/2020 12:31:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.225 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.1	31.7





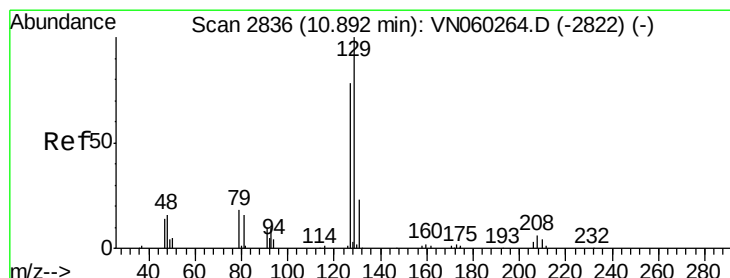
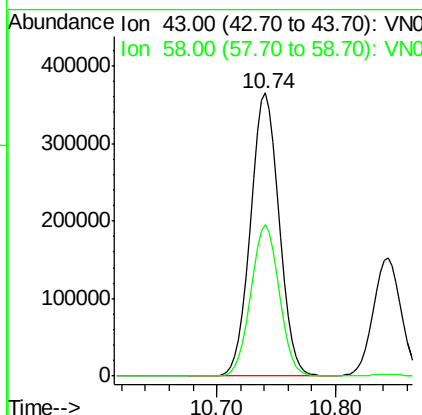
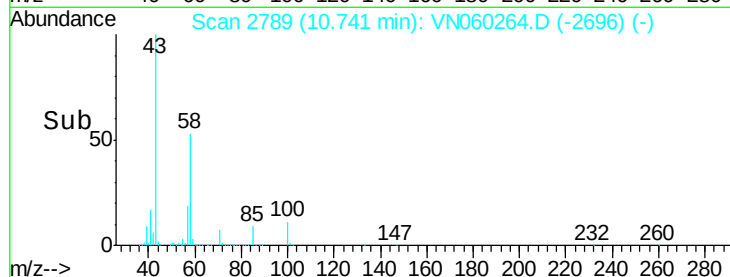
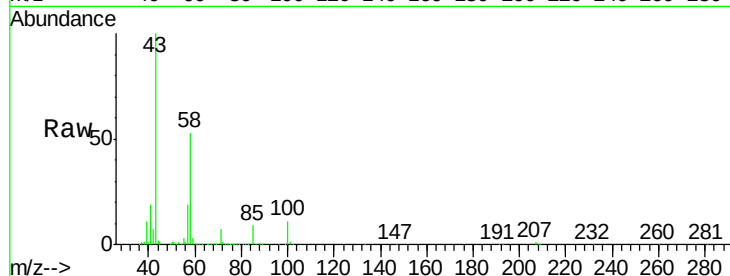
#59
2-Hexanone
Concen: 262.861 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 608314
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5

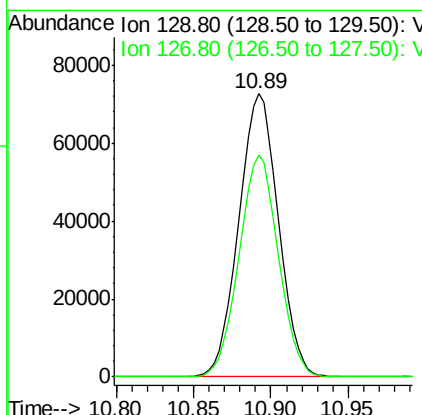
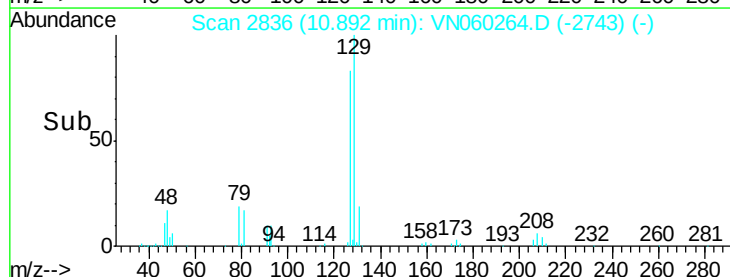
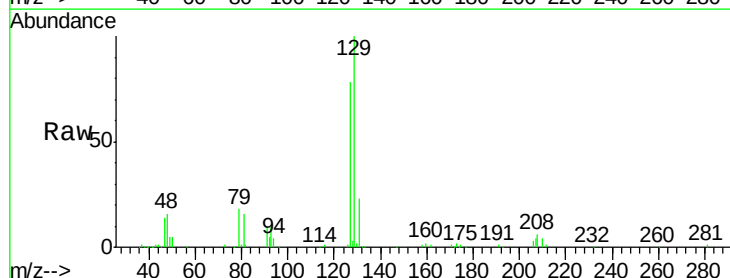
Manual Integrations
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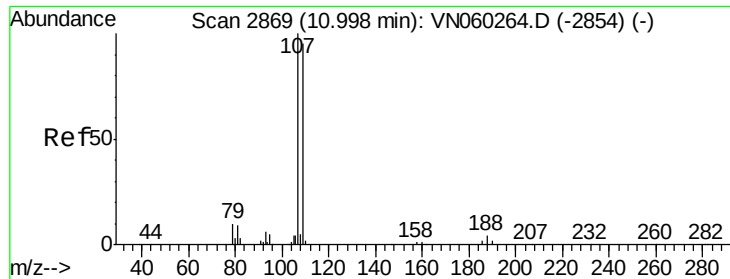
MMDadoda
2/28/2020 12:31:13 PM



#60
Dibromochloromethane
Concen: 45.948 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion: 129 Resp: 129321
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 47.776 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 123607

Ion Ratio Lower Upper

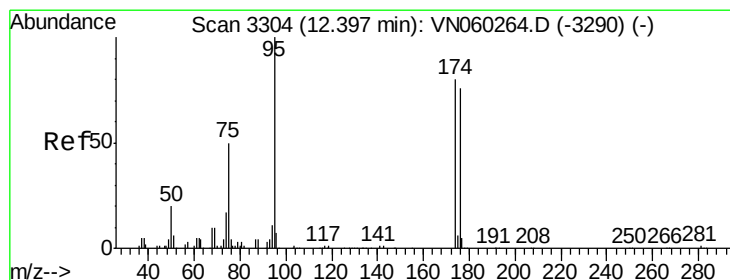
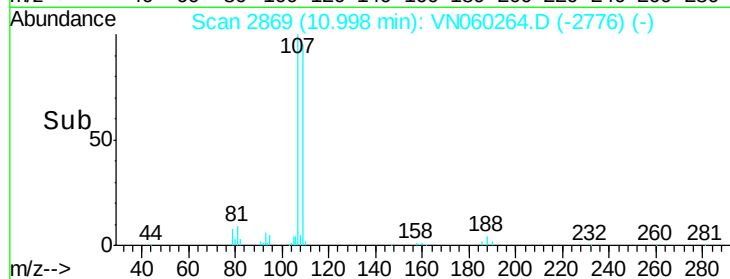
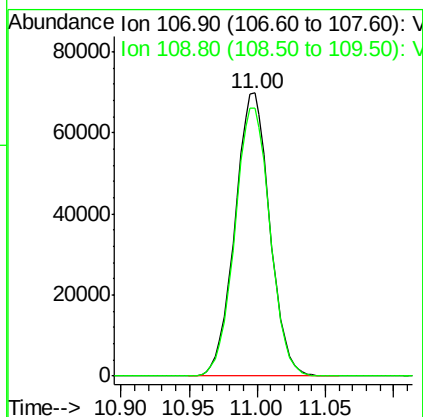
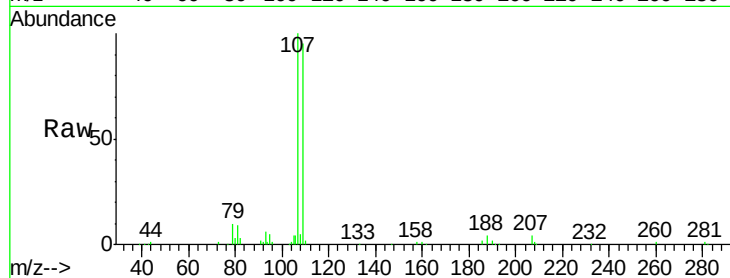
107 100

109 96.0 76.8 115.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 48.052 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

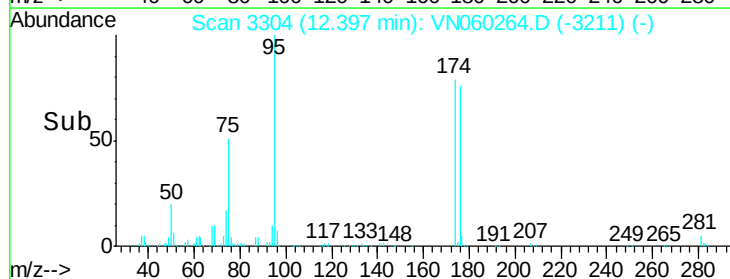
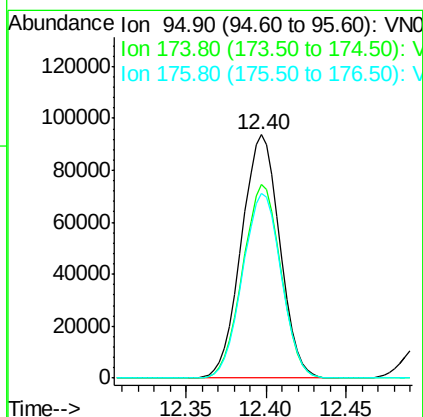
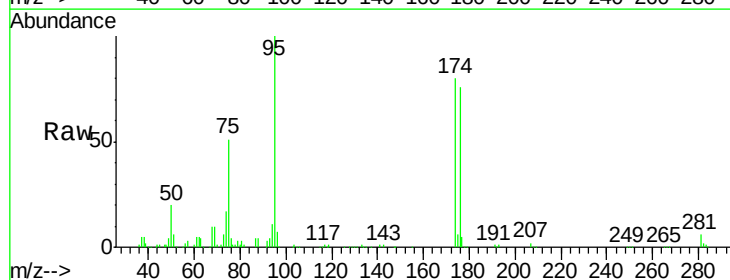
Tgt Ion: 95 Resp: 153540

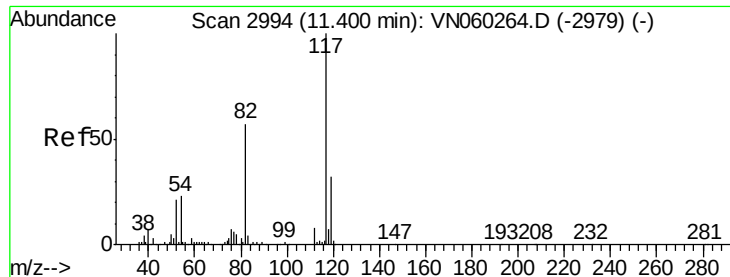
Ion Ratio Lower Upper

95 100

174 79.6 0.0 159.2

176 76.9 0.0 153.8





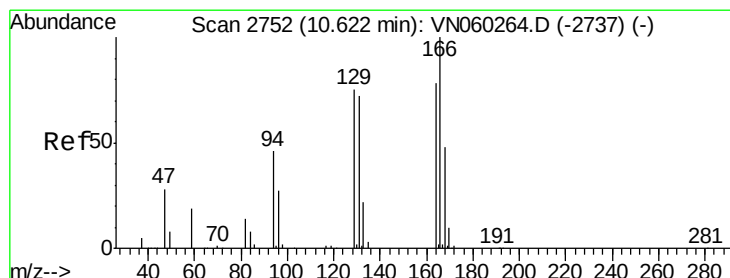
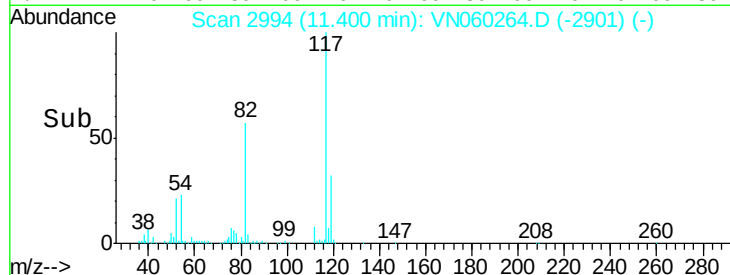
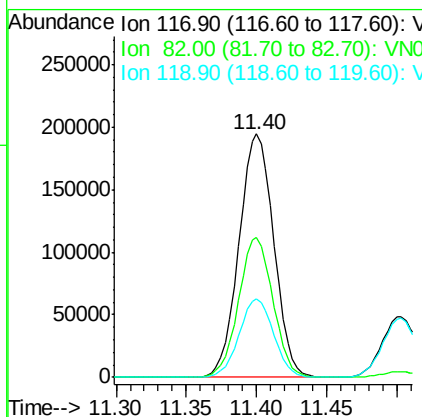
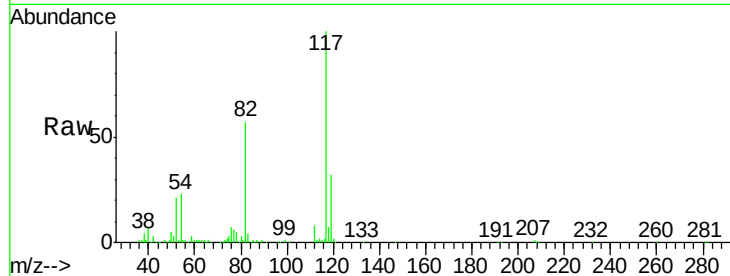
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	336779		
82	57.2		45.8	68.6
119	32.3		25.8	38.8

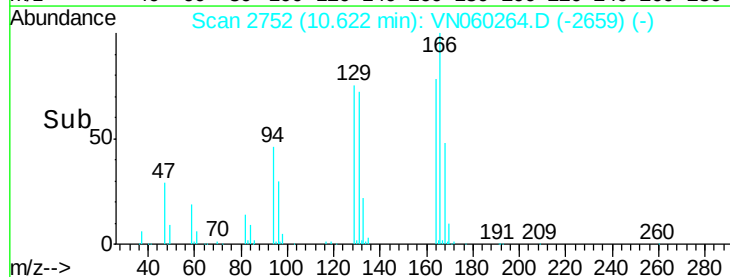
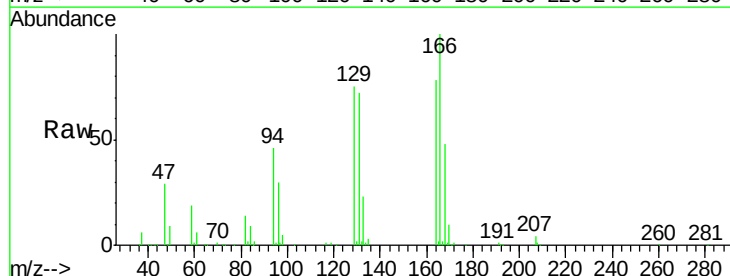
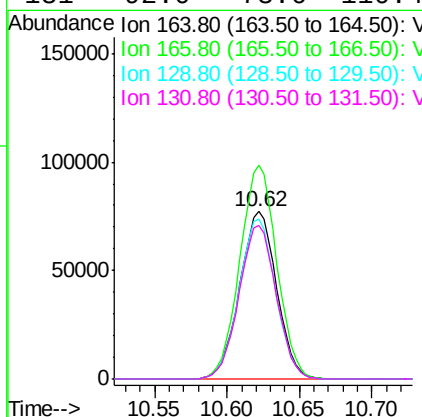
Manual Integrations
APPROVED

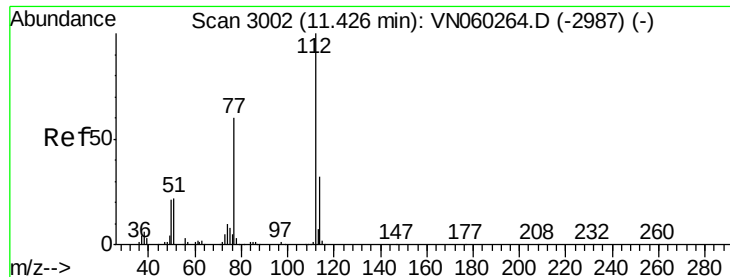
MMDadoda
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#64
Tetrachloroethene
Concen: 52.306 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136170		
166	127.5		102.0	153.0
129	95.5		76.4	114.6
131	92.0		73.6	110.4





#65

Chlorobenzene

Concen: 47.804 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 326323

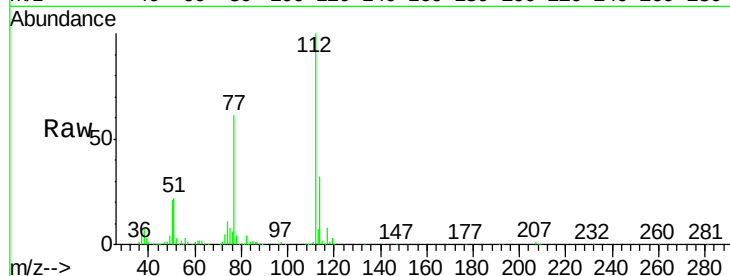
Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0

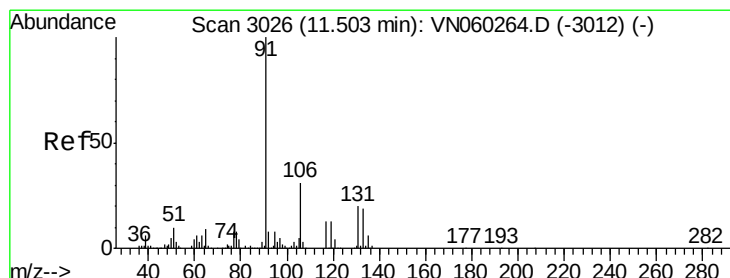
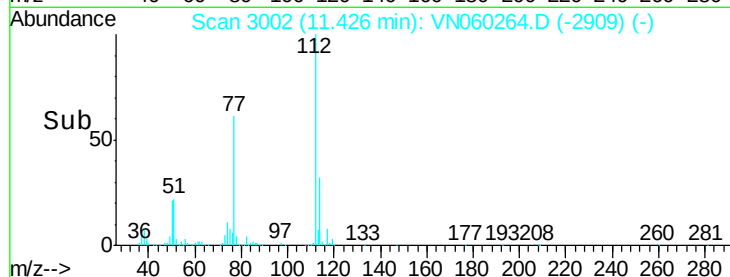
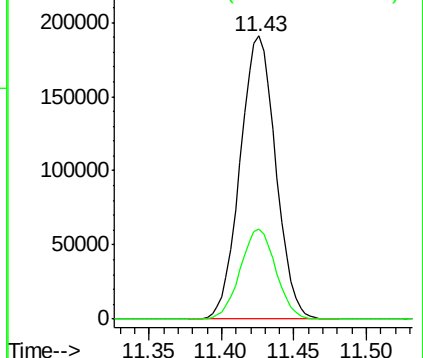
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.852 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

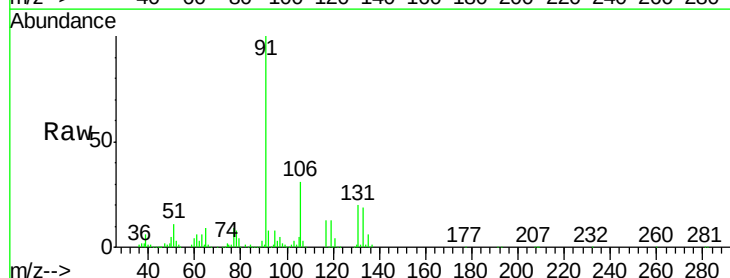
Tgt Ion:131 Resp: 123298

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

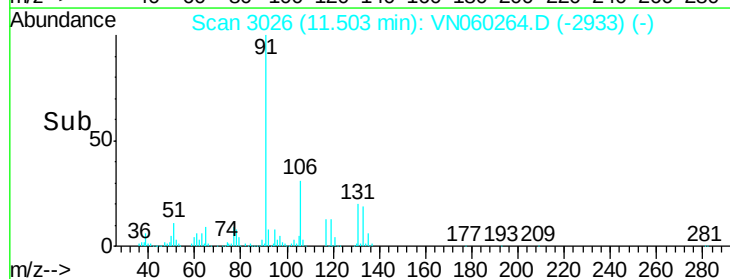
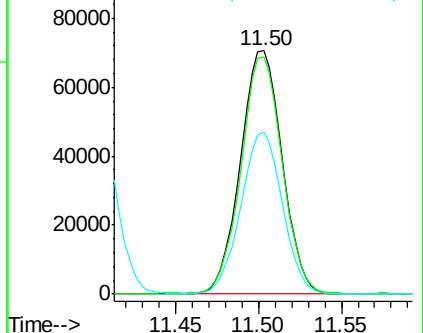
119 66.4 33.2 99.6

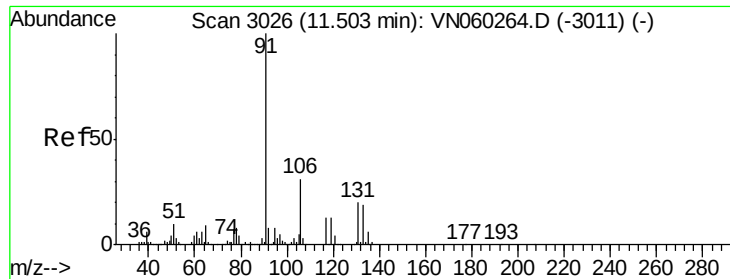


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





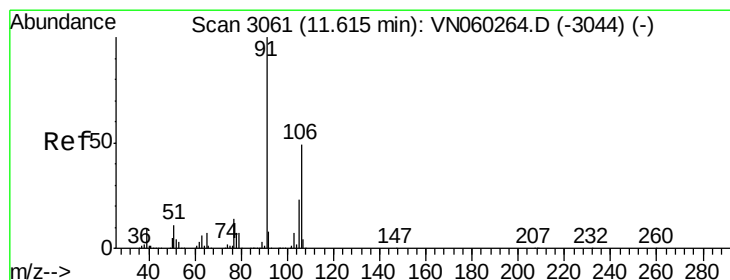
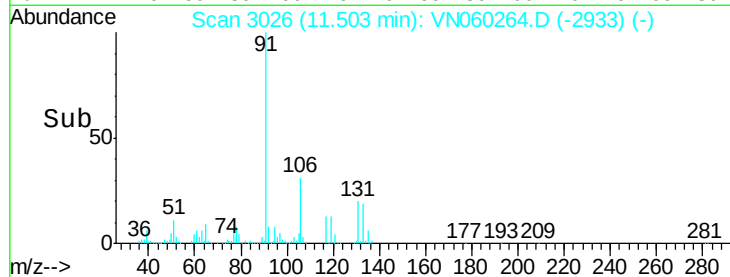
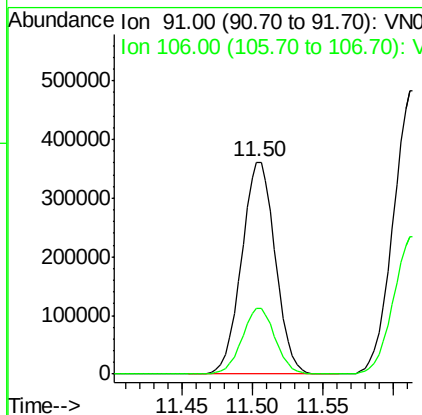
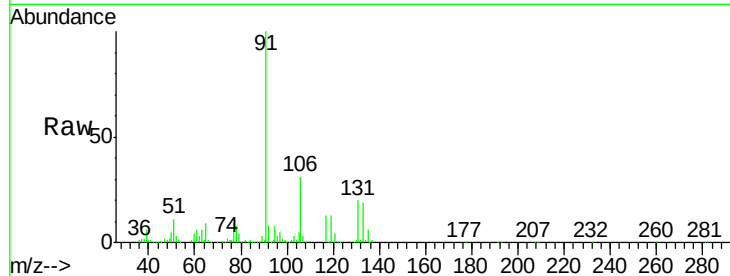
#67
Ethyl Benzene
Concen: 48.799 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 602953
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

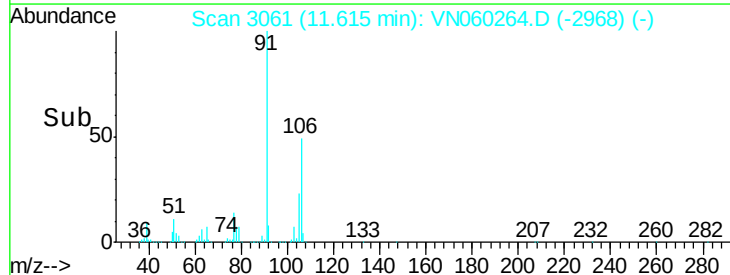
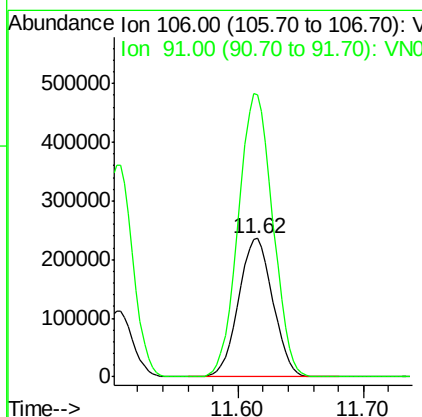
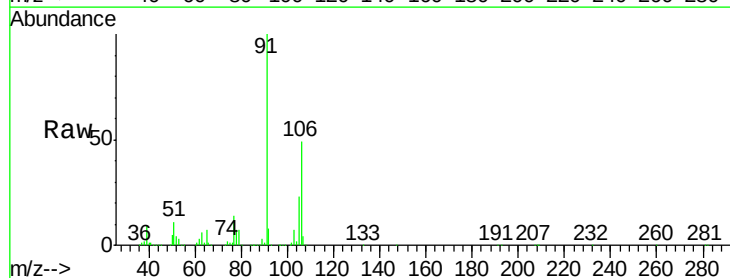
Manual Integrations
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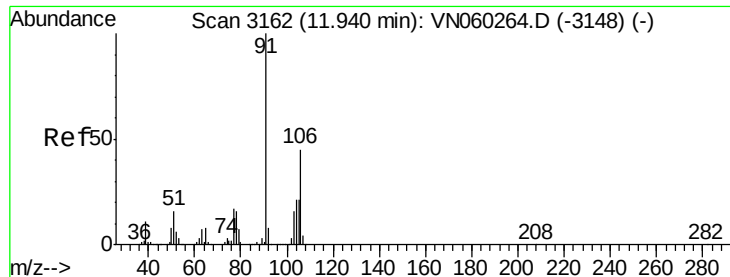
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#68
m/p-Xylenes
Concen: 96.873 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion: 106 Resp: 448113
Ion Ratio Lower Upper
106 100
91 205.6 164.5 246.7





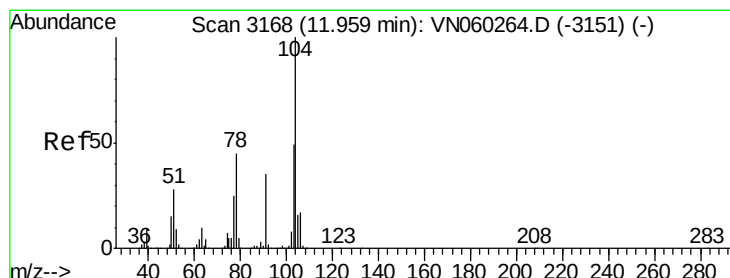
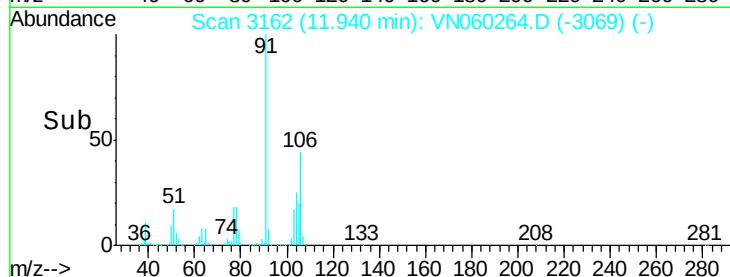
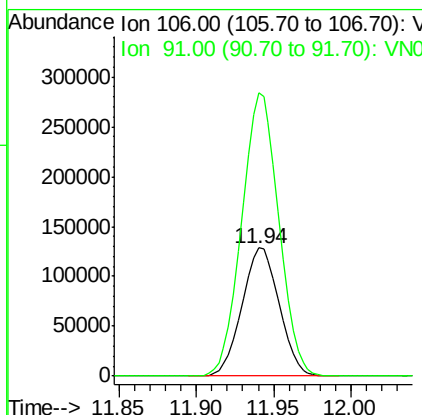
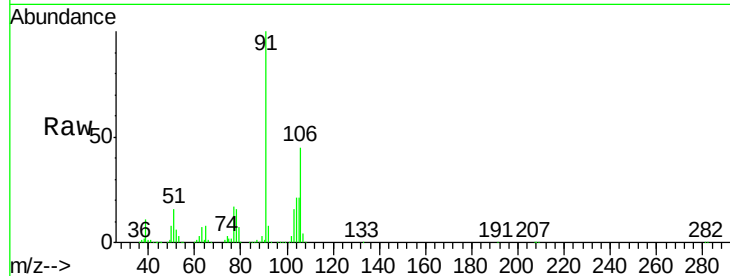
#69
o-Xylene
Concen: 48.510 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.9	109.5	328.4

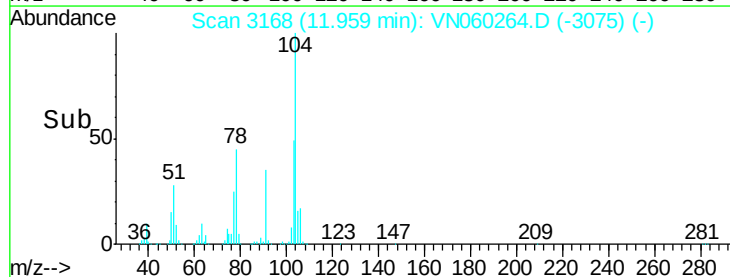
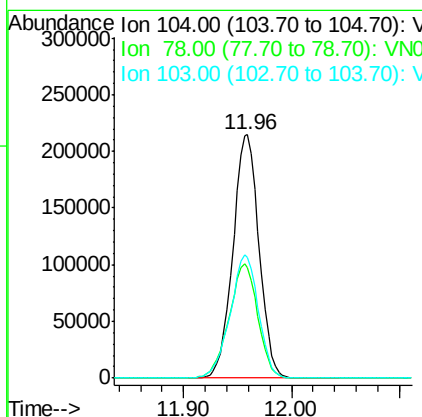
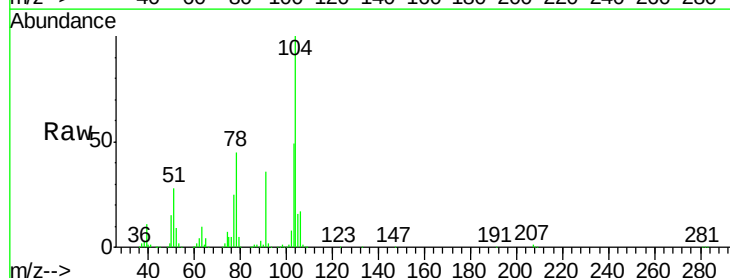
Manual Integrations
APPROVED

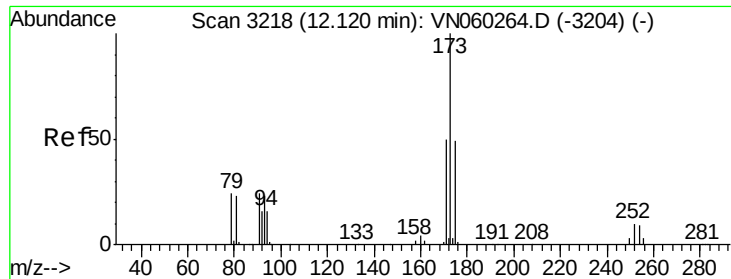
MMDadoda
2/28/2020 12:31:13 PM



#70
Styrene
Concen: 50.454 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.5	41.2	61.8
103	54.9	43.9	65.9





#71

Bromoform

Concen: 46.071 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

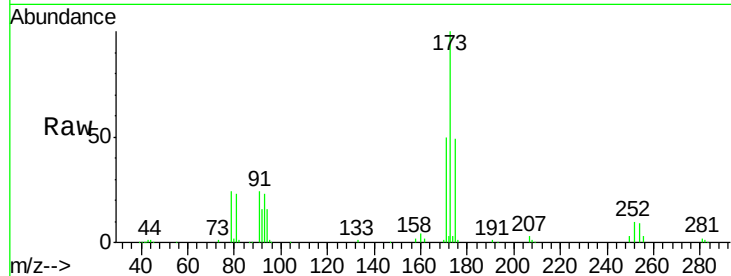
ClientSampleId :

VSTDICCC050

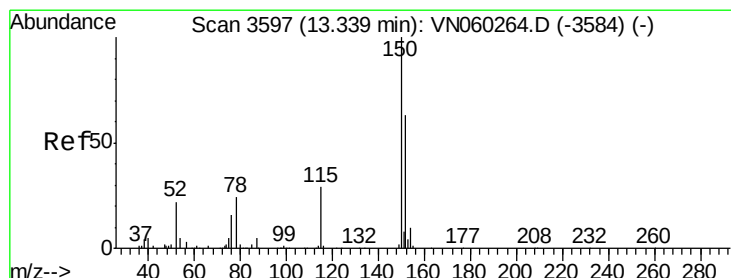
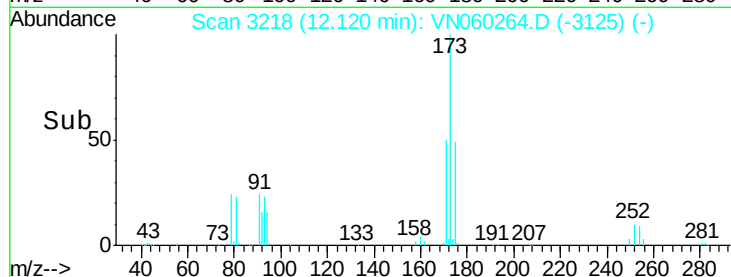
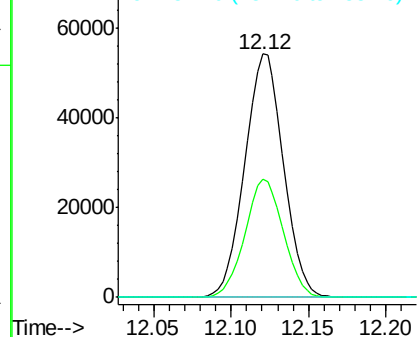
Tot Ion:	173	Resp:	94273
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

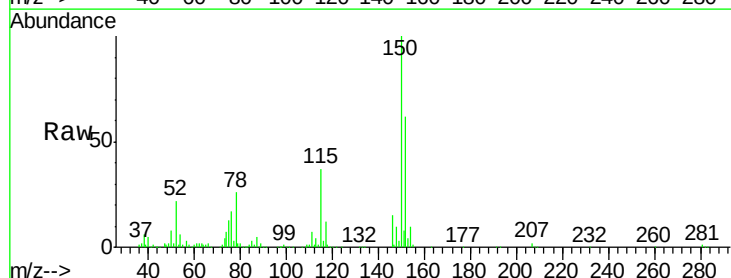
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

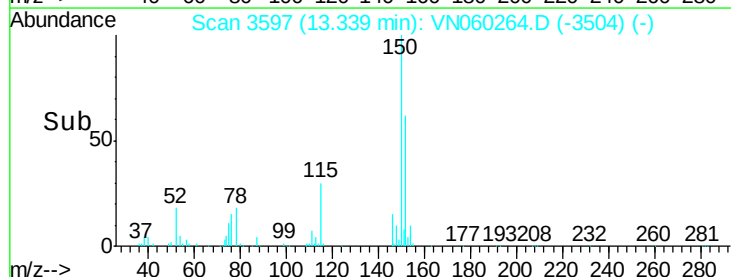
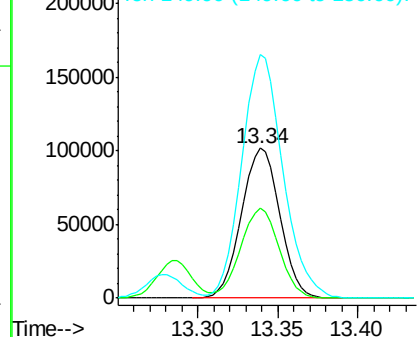
Lab File: VN060264.D

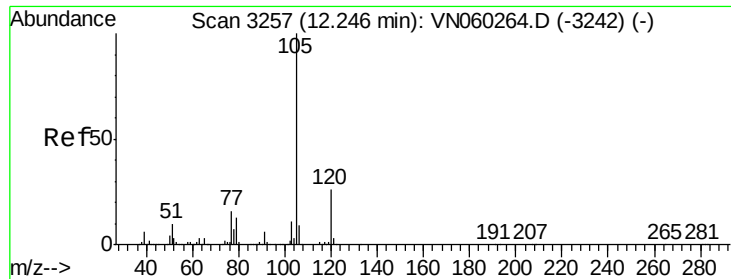
Acq: 27 Feb 2020 11:29

Tgt Ion:	152	Resp:	166172
Ion Ratio	Lower	Upper	
152	100		
115	60.0	30.0	90.0
150	174.8	0.0	349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.677 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 592580

Ion Ratio Lower Upper

105 100

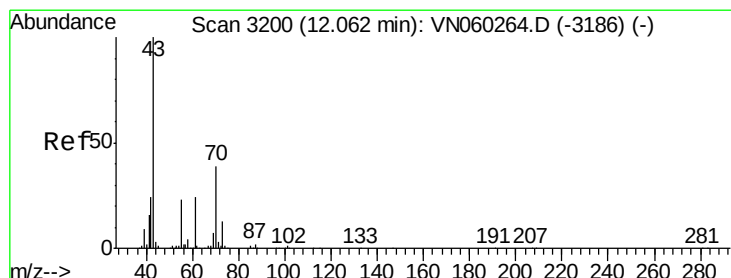
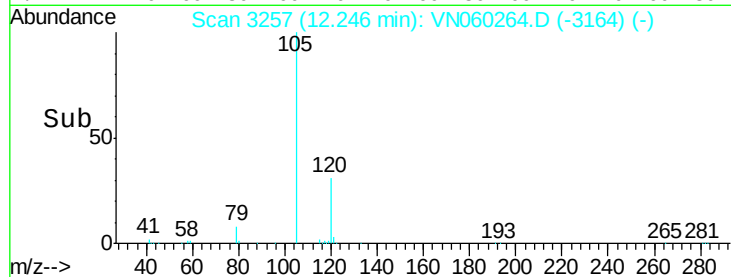
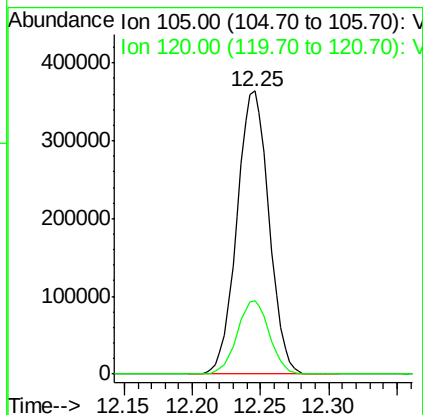
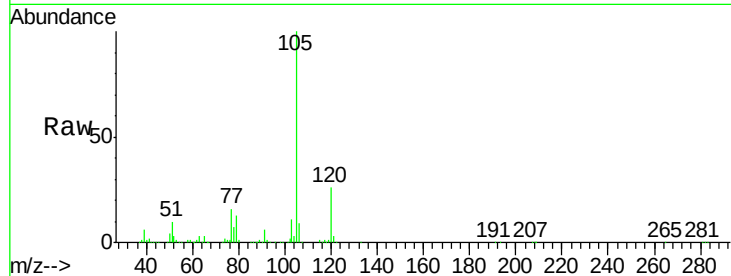
120 25.9 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 56.619 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion: 43 Resp: 259096

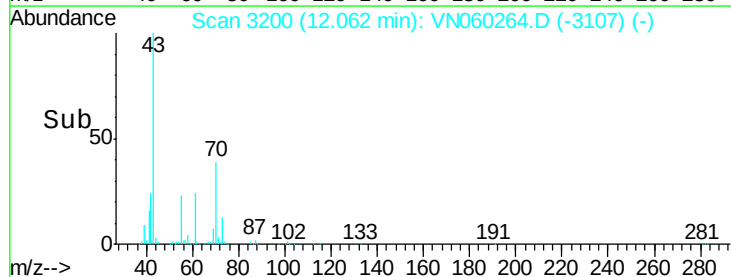
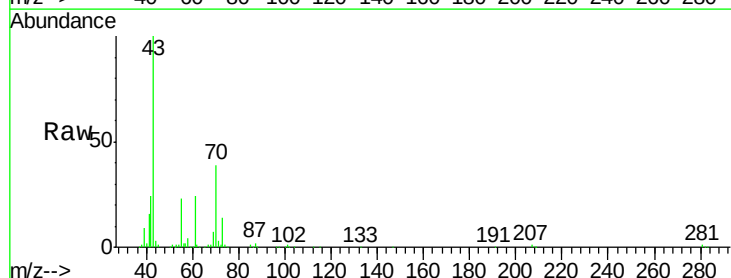
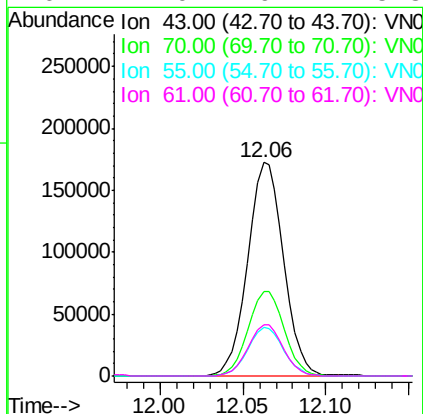
Ion Ratio Lower Upper

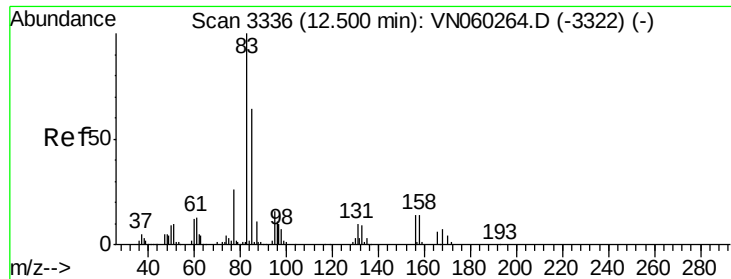
43 100

70 40.2 32.2 48.2

55 22.8 18.2 27.4

61 24.0 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.291 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 163659

Ion Ratio Lower Upper

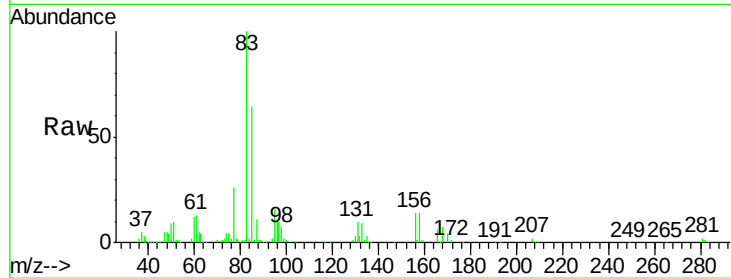
83 100

131 10.2 5.1 15.3

85 64.5 32.3 96.8

Manual Integrations
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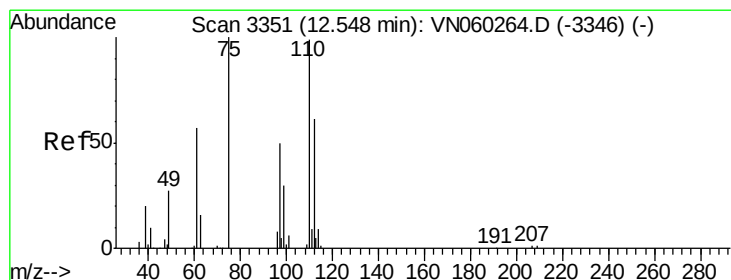
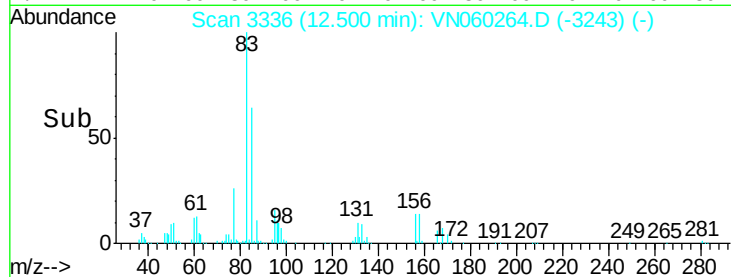
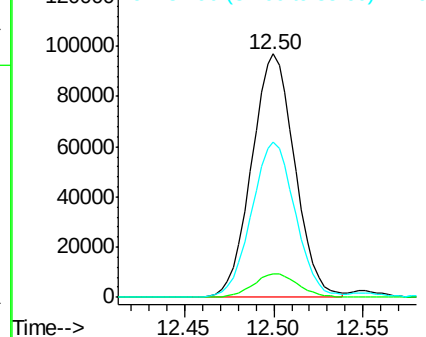
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 55.107 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060264.D

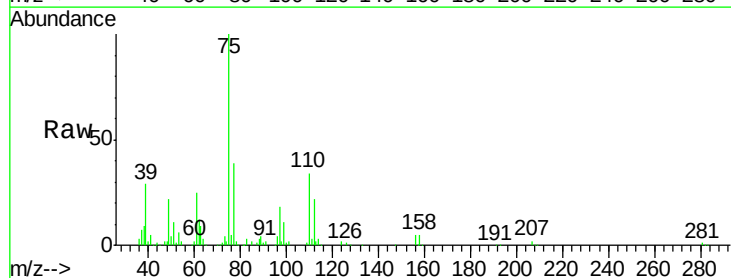
Acq: 27 Feb 2020 11:29

Tgt Ion: 75 Resp: 176271

Ion Ratio Lower Upper

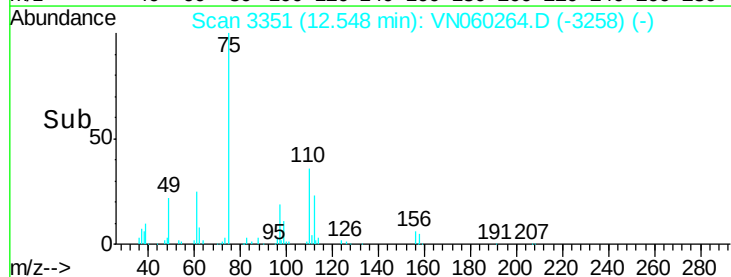
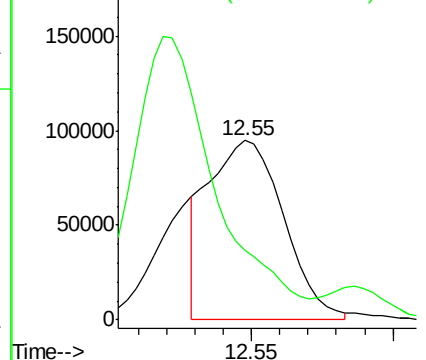
75 100

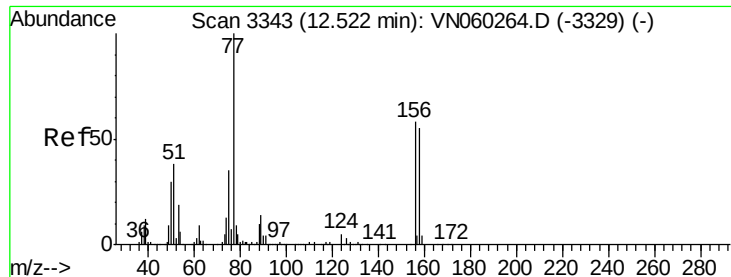
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.757 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

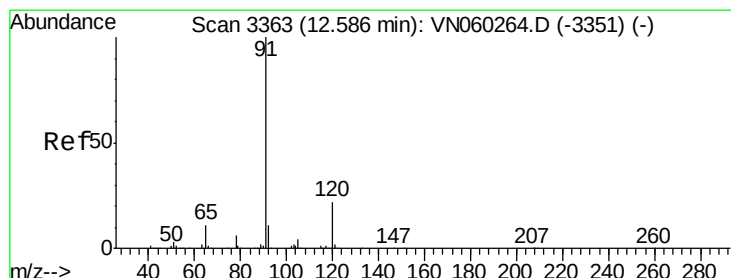
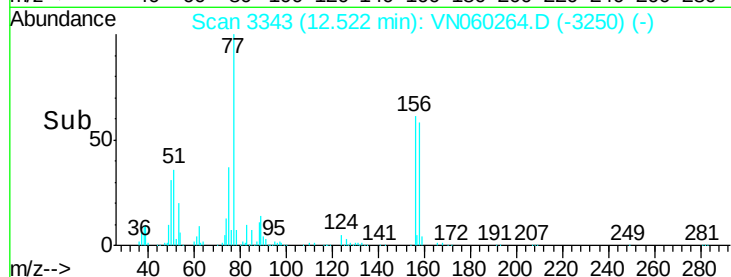
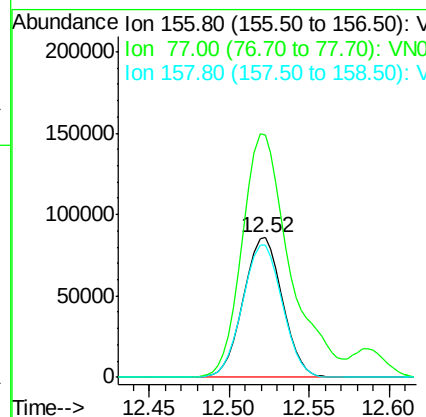
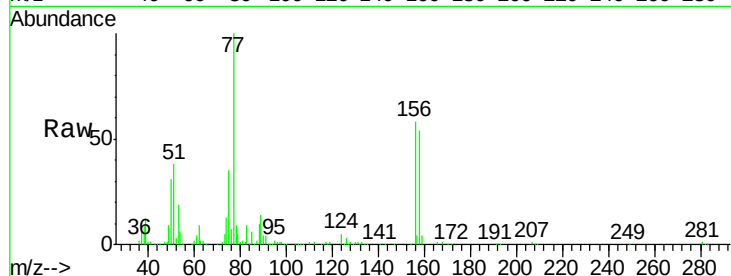
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	143488
Ion Ratio	Lower	Upper	
156	100		
77	212.2	106.1	318.3
158	96.5	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 48.658 ug/l

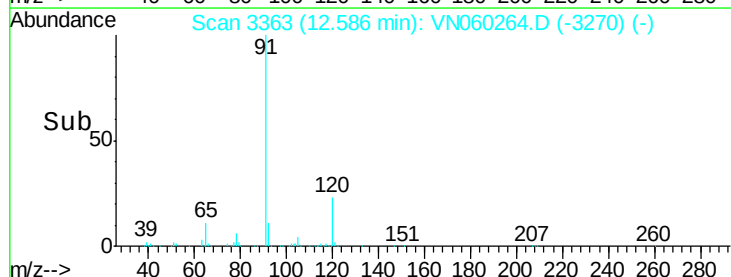
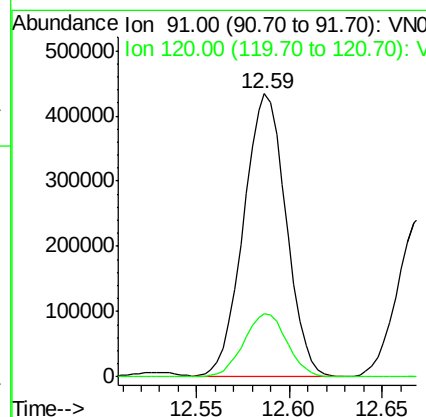
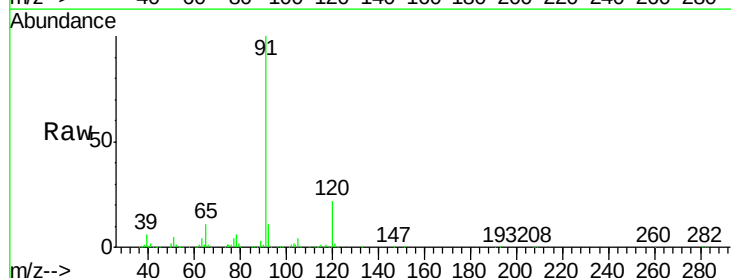
RT: 12.59 min Scan# 3363

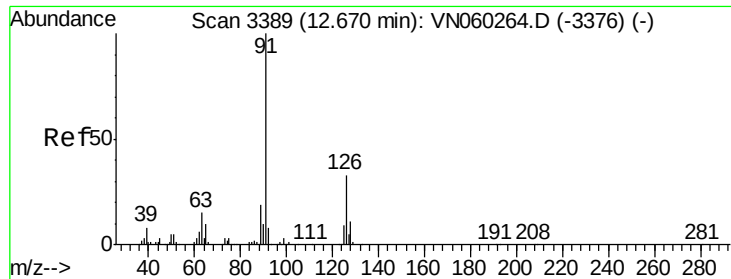
Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion:	91	Resp:	691517
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





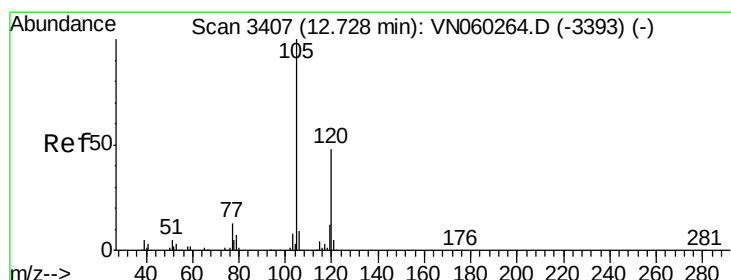
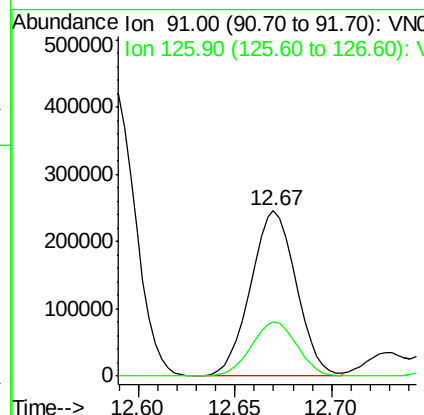
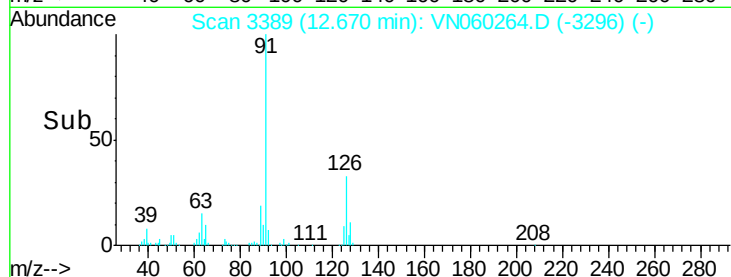
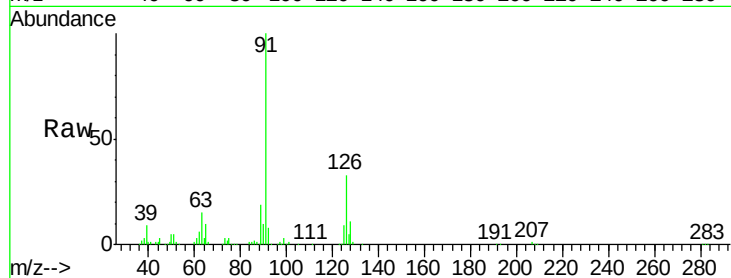
#79
 2-Chlorotoluene
 Concen: 48.106 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 401888
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.6 49.8

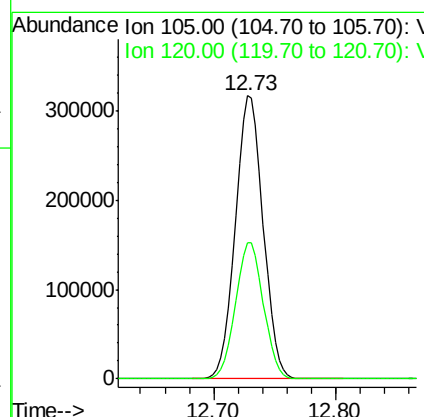
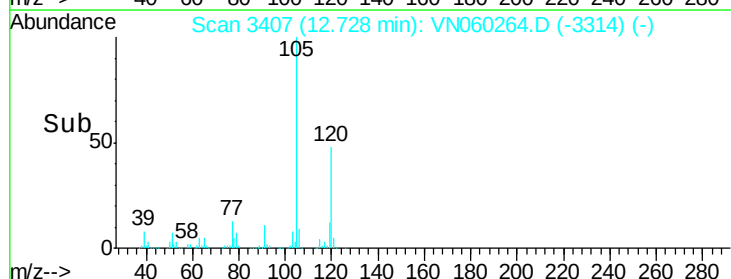
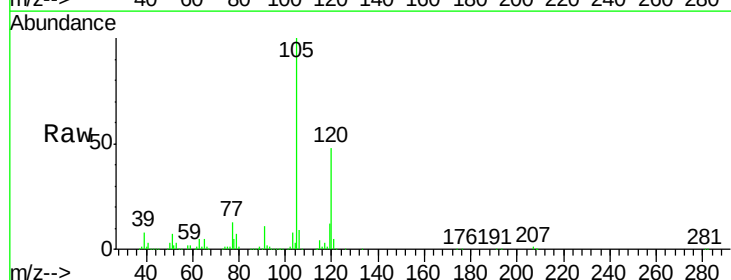
Manual Integrations
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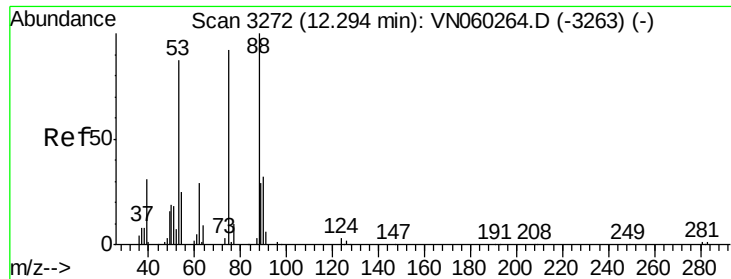
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.464 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Tgt Ion: 105 Resp: 501459
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.4





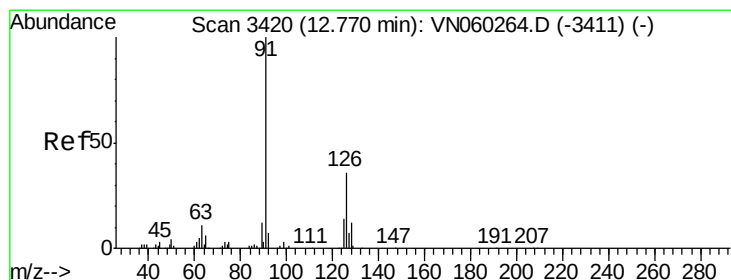
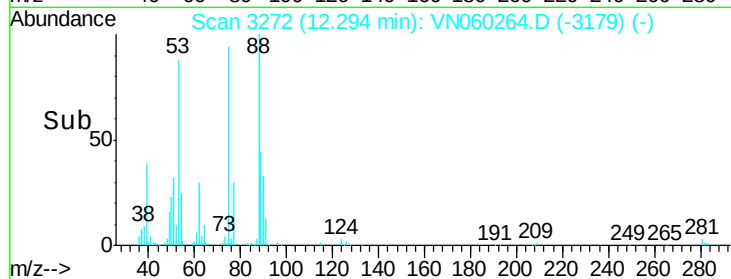
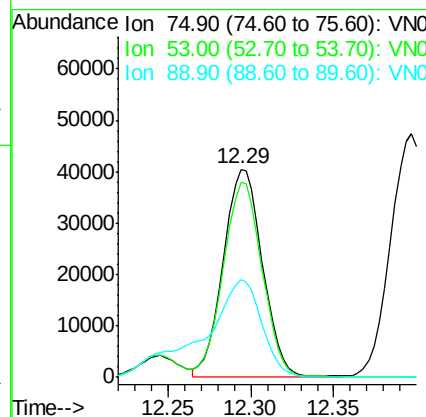
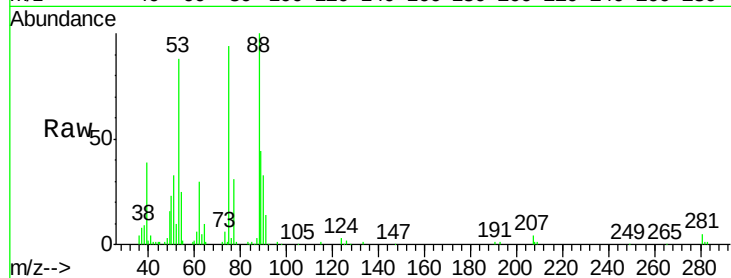
#81
trans-1,4-Dichloro-2-butene
Concen: 50.926 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	73.8	110.6
89	71.4	57.1	85.7

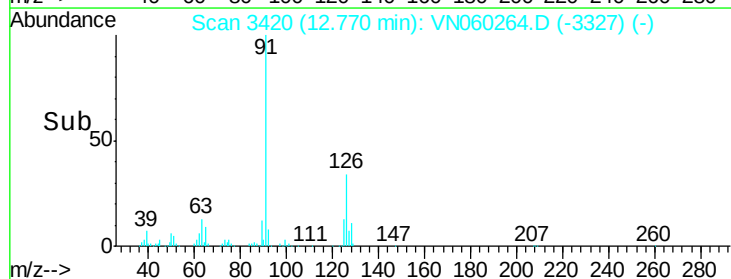
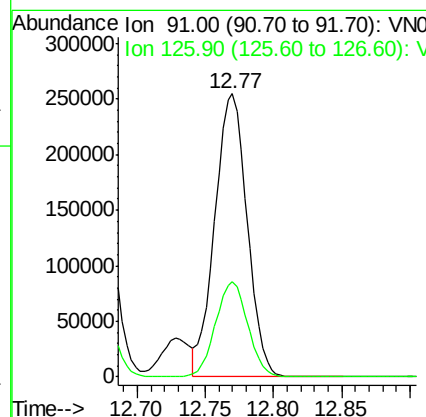
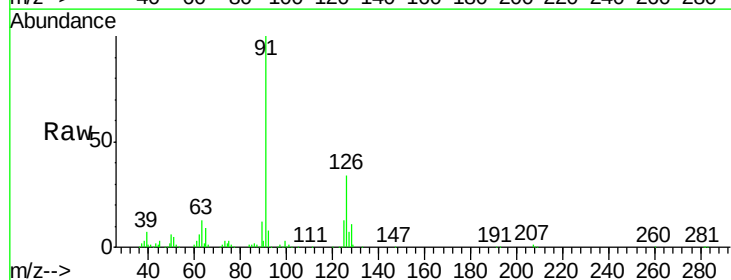
Manual Integrations
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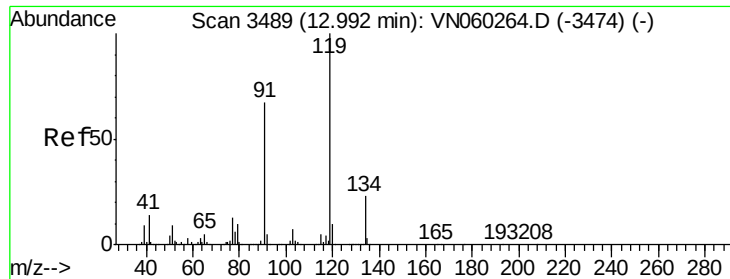
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.789 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1





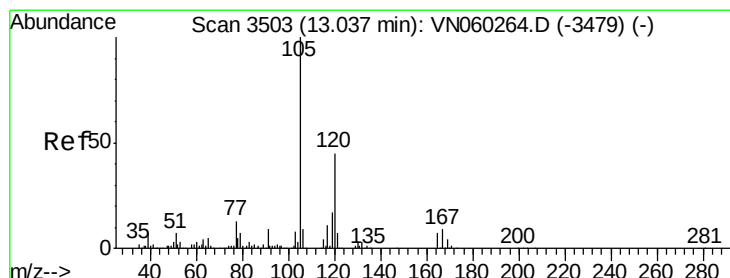
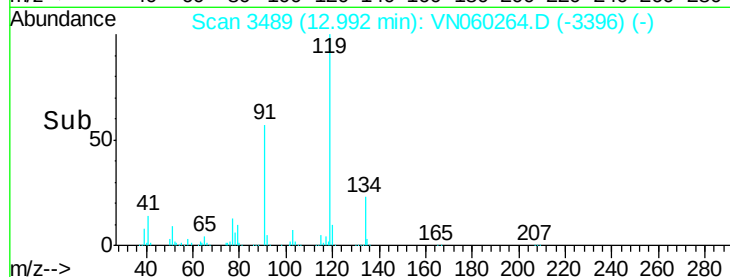
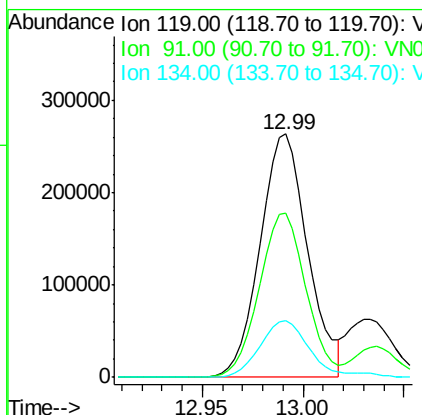
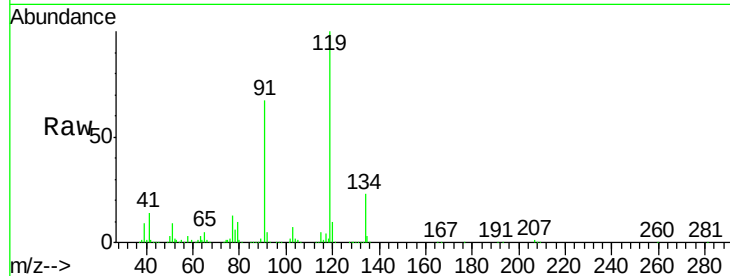
#83
 tert-Butylbenzene
 Concen: 47.288 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	433299		
91	66.1		33.1	99.2
134	24.7		12.4	37.0

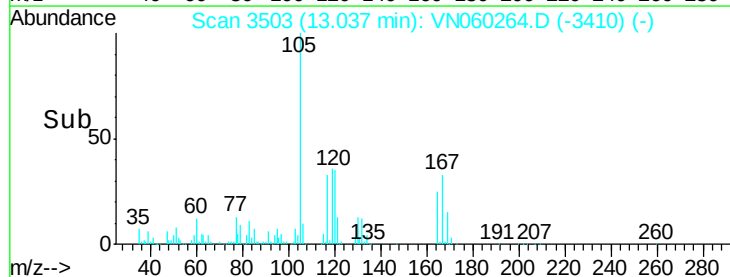
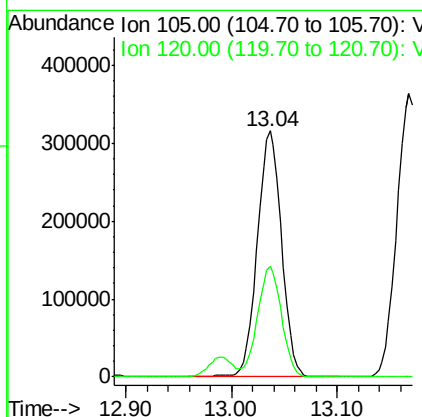
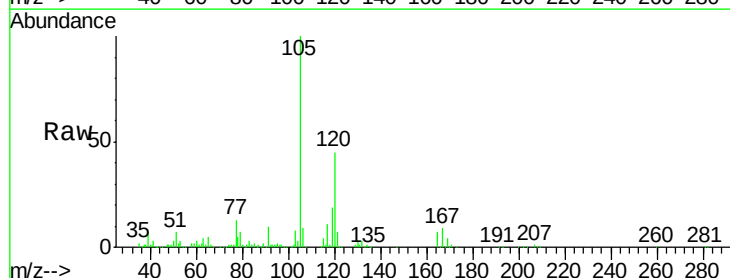
Manual Integrations
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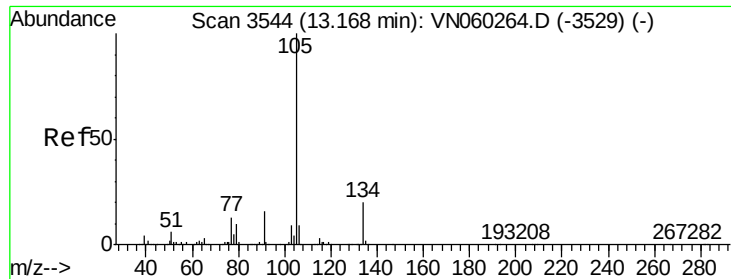
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.505 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	505679		
120	44.6		22.3	66.9





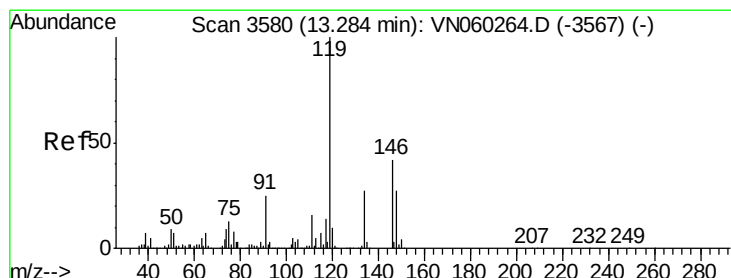
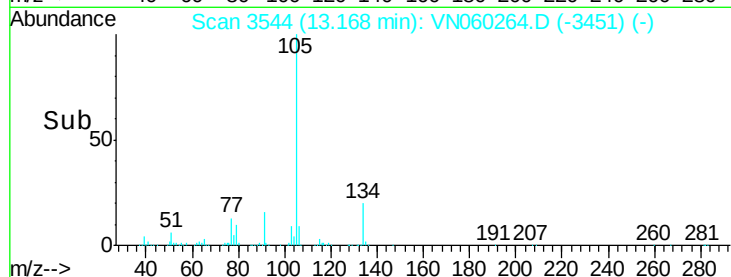
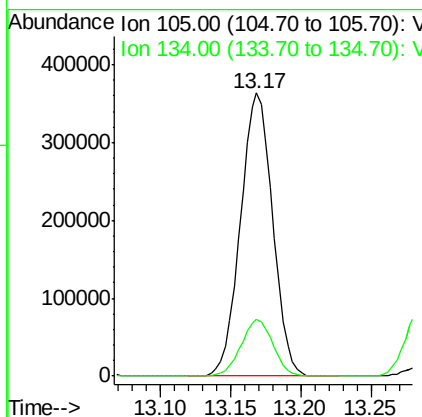
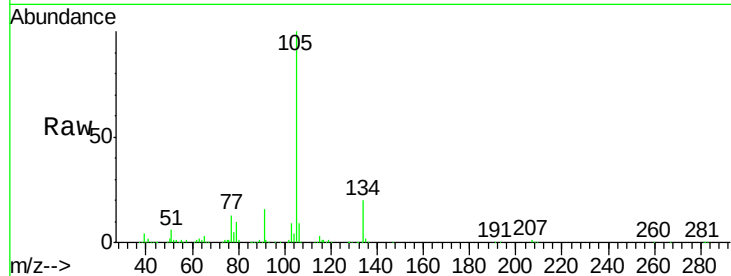
#85
 sec-Butylbenzene
 Concen: 48.003 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	581031		
134	19.7	9.8	29.5	

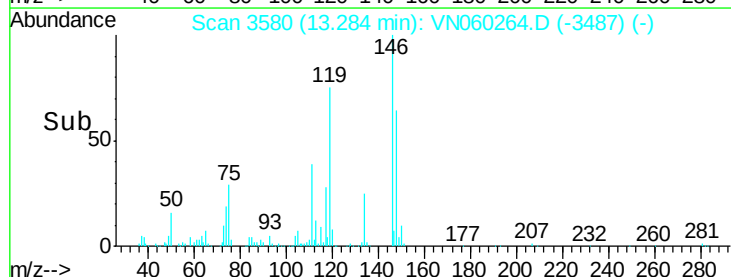
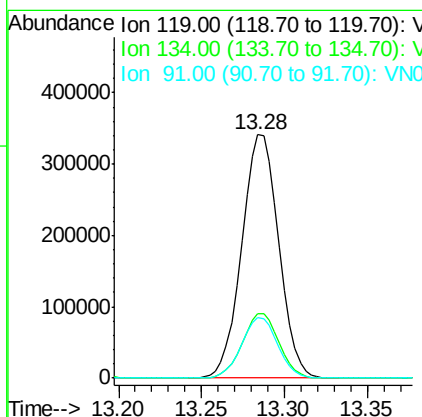
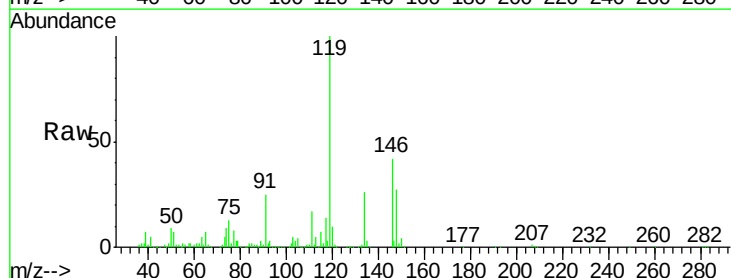
Manual Integrations
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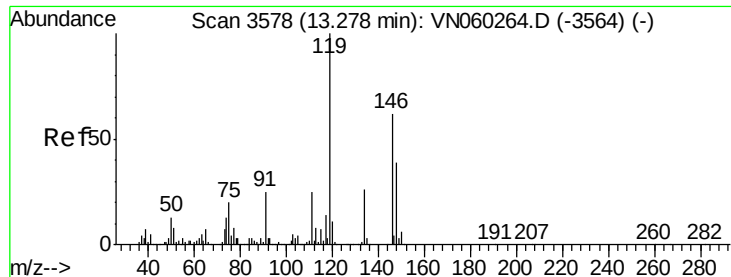
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#86
 p-Isopropyltoluene
 Concen: 48.027 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060264.D
 Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	527016		
134	26.4	13.2	39.6	
91	24.4	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 48.106 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060264.D

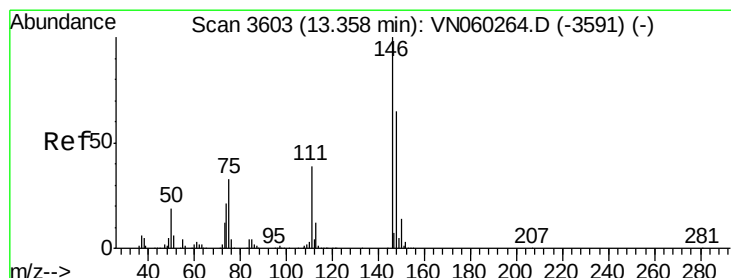
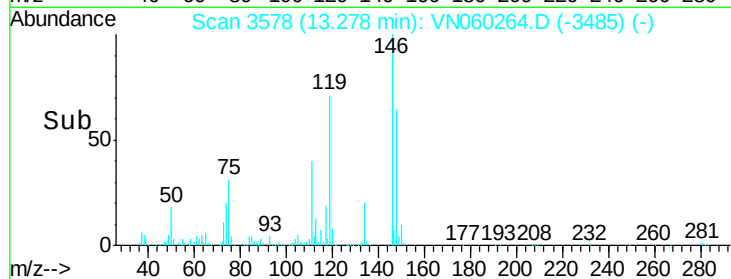
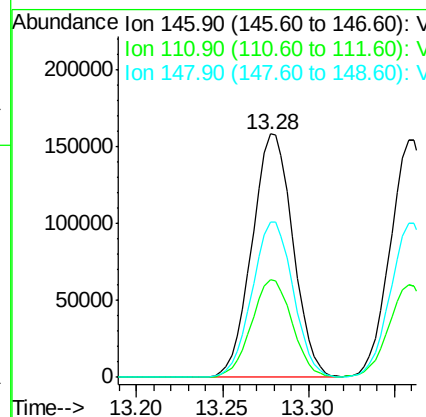
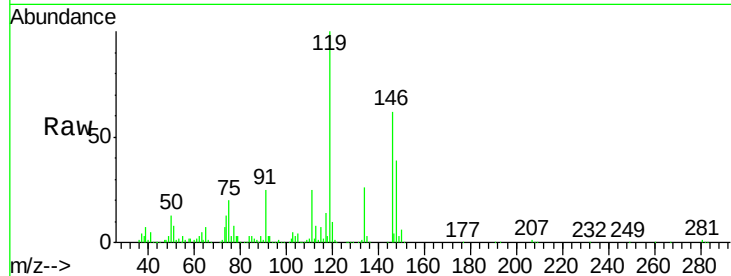
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	262041		
111	39.9	20.0	59.9	
148	64.2	32.1	96.3	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.493 ug/l

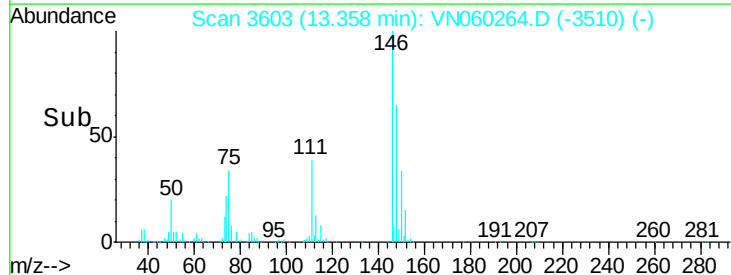
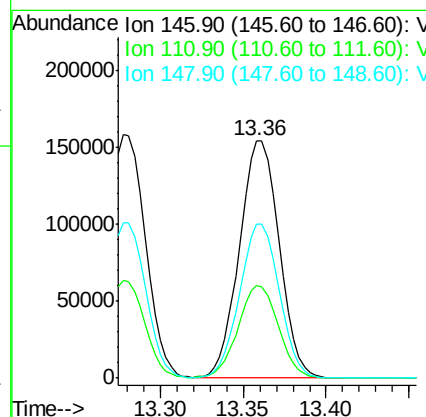
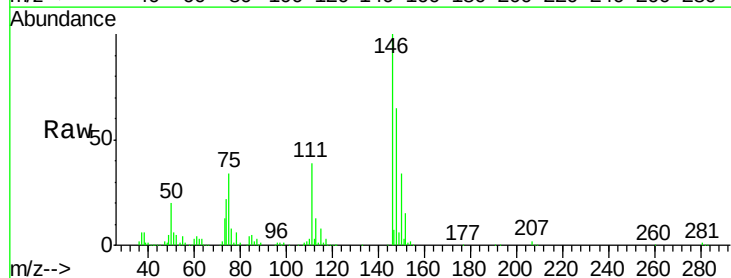
RT: 13.36 min Scan# 3603

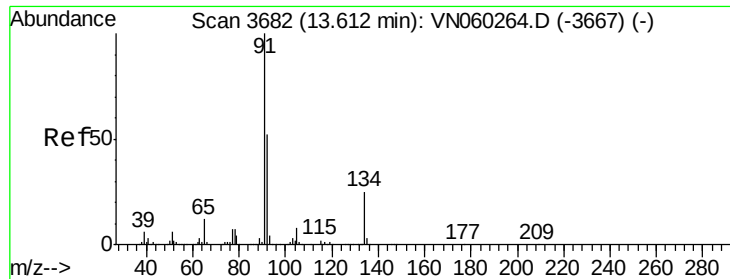
Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	258474		
111	39.6	19.8	59.4	
148	64.6	32.3	96.9	





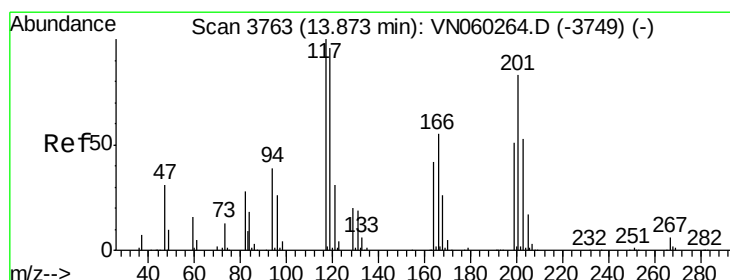
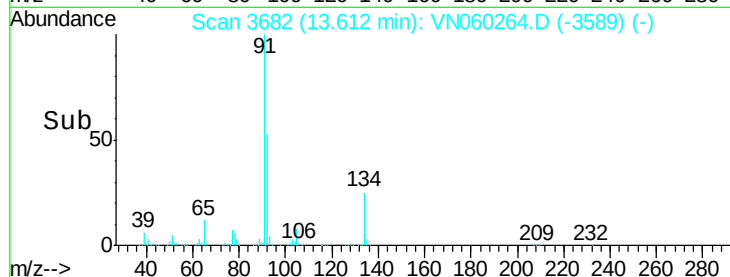
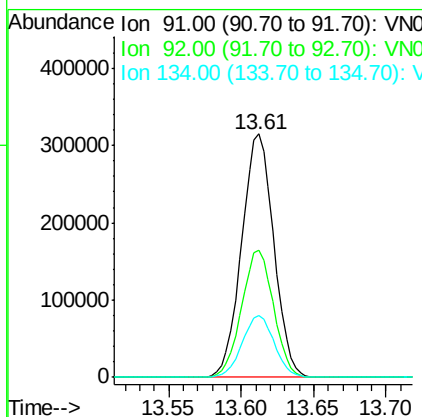
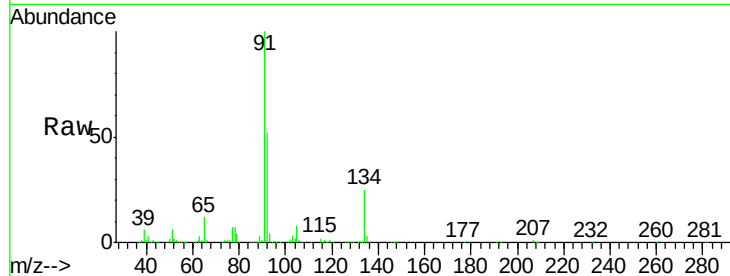
#89
n-Butylbenzene
Concen: 50.151 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	25.4	12.7	38.1

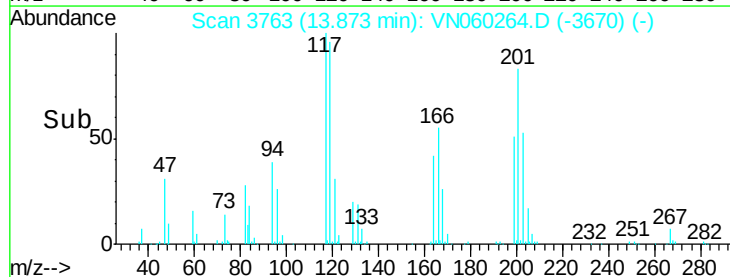
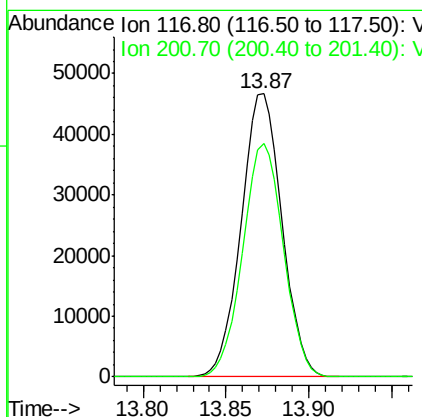
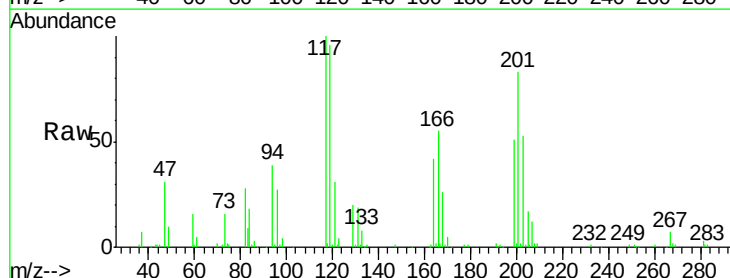
Manual Integrations
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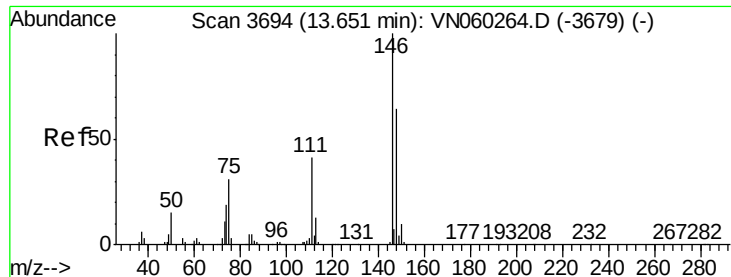
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#90
Hexachloroethane
Concen: 40.258 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 47.278 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

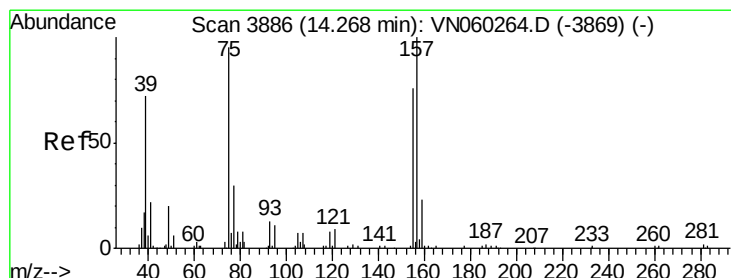
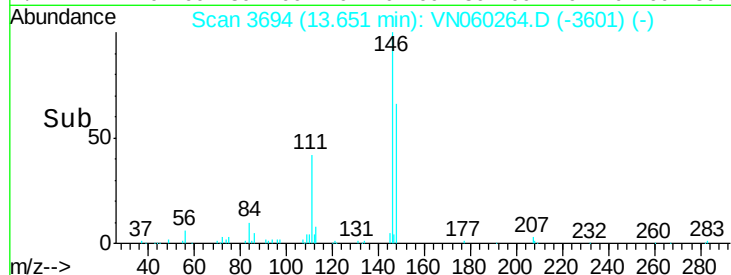
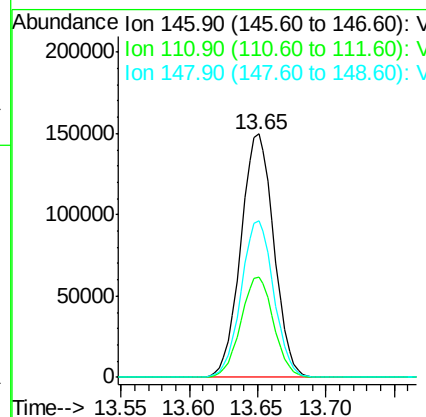
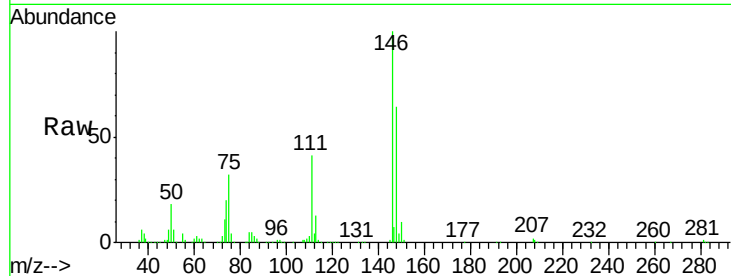
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	251696
Ion Ratio		Lower	Upper
146	100		
111	40.7	20.3	61.0
148	63.5	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.321 ug/l

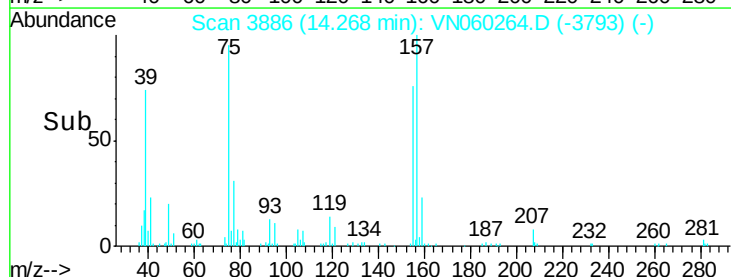
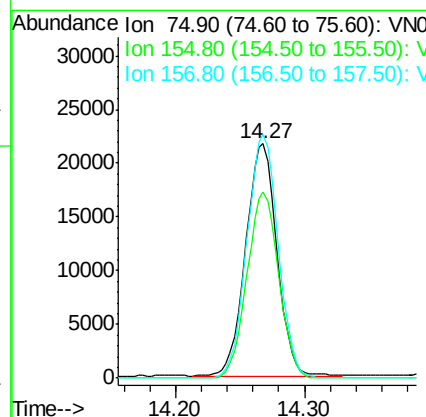
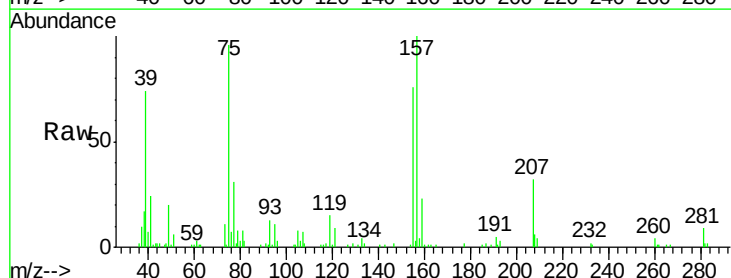
RT: 14.27 min Scan# 3886

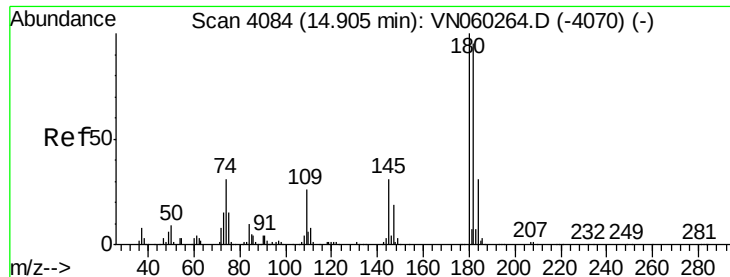
Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Tgt Ion:	75	Resp:	36428
Ion Ratio		Lower	Upper
75	100		
155	80.8	40.4	121.2
157	105.0	52.5	157.5





#93

1,2,4-Trichlorobenzene

Concen: 52.827 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060264.D

Acq: 27 Feb 2020 11:29

Instrument :

MSVOA_N

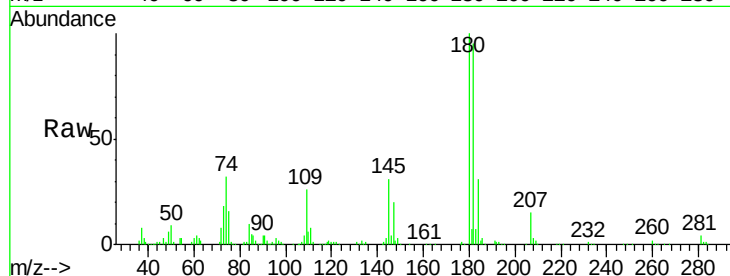
ClientSampled :

VSTDICCC050

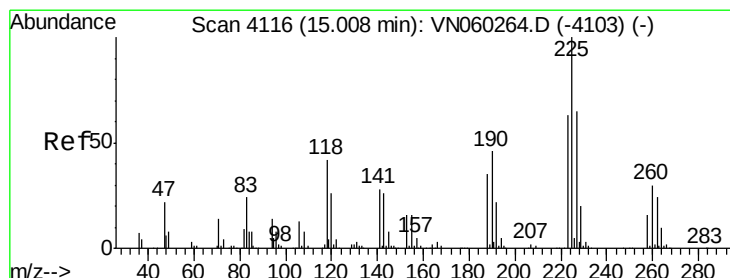
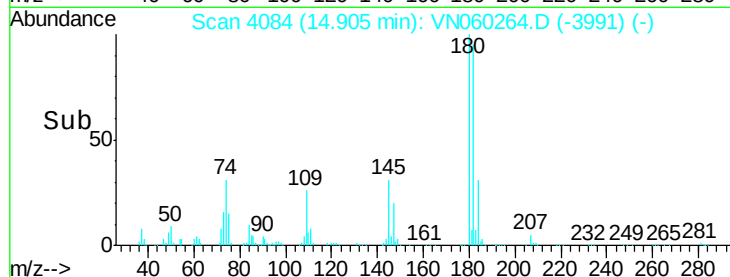
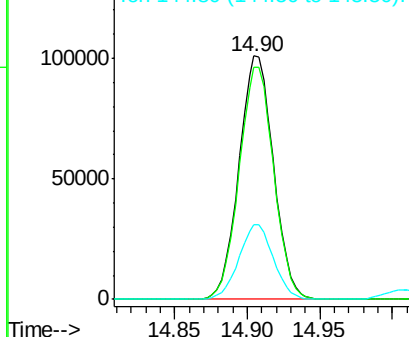
Tot Ion:	180	Resp:	166755
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.8	143.3
145	30.7	15.4	46.1

Manual Integrations
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MMDadoda
2/28/2020 12:31:13 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 42.842 ug/l

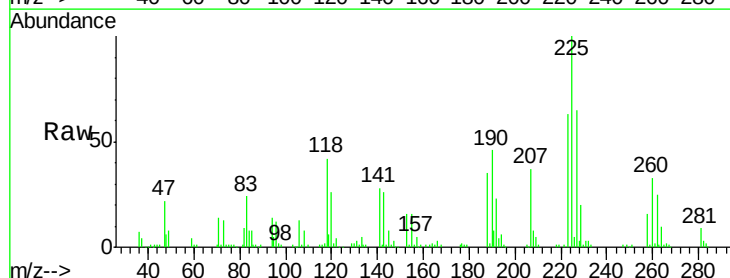
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

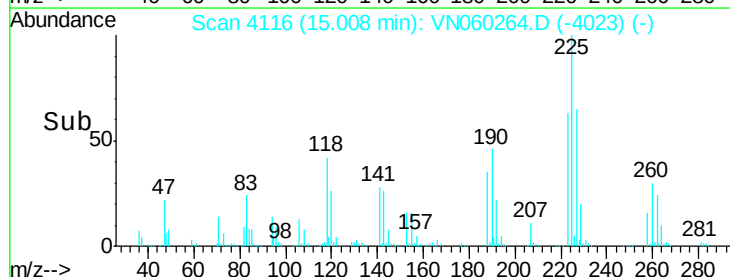
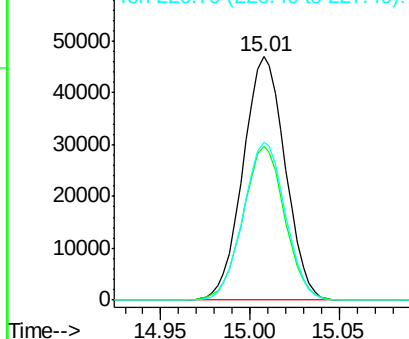
Lab File: VN060264.D

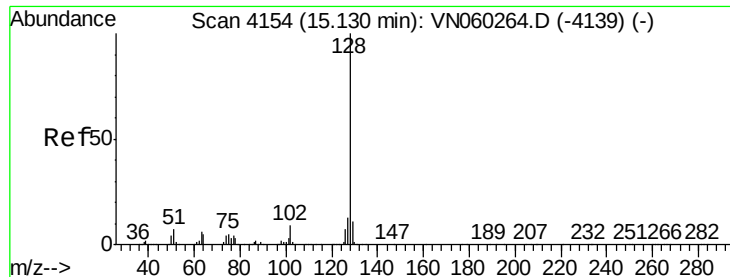
Acq: 27 Feb 2020 11:29

Tgt Ion:	225	Resp:	77495
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.3	93.9
227	64.6	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





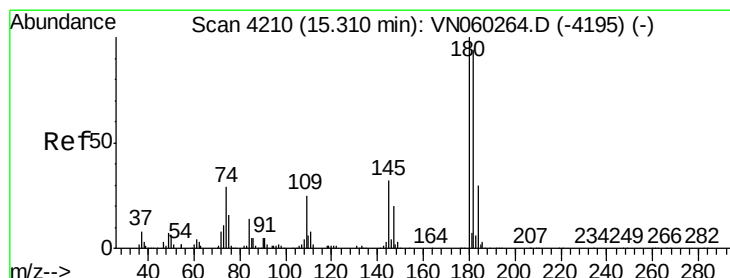
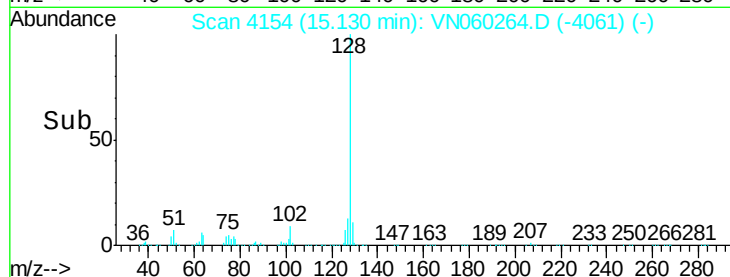
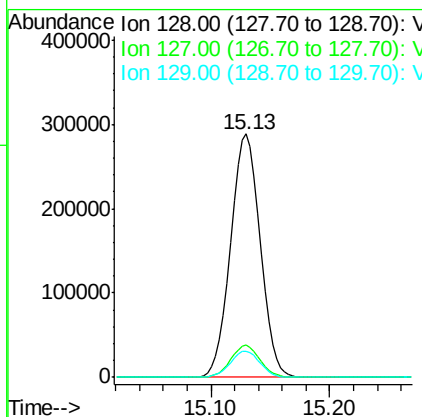
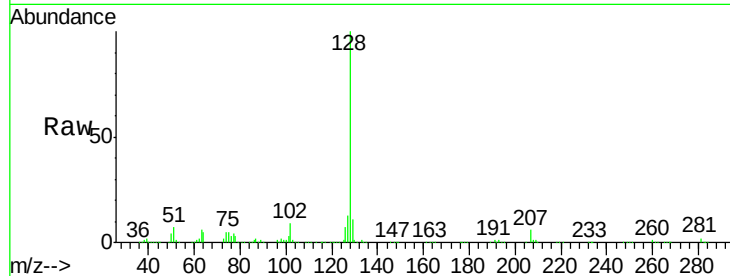
#95
Naphthalene
Concen: 57.522 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
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2/28/2020 12:31:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.500 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060264.D
Acq: 27 Feb 2020 11:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	32.3	16.2	48.5

